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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



JUNE 1, 1985

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**

|||||

Released by

**FRANCIS T. HOLT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES	
ROBERT L. MORGAN	D. LARRY ANDERSON
State Engineer	Director
Division of Water Rights	Division of Water Resources

|||||

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

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Salt Lake City, Utah 84147**

The President's 1986 budget request to Congress calls for termination of the Snow Survey and Water Supply Forecast activity within the U. S. Soil Conservation Service for fiscal policy reasons. If the President's budget request is enacted by Congress the Snow Survey Program will be eliminated by the end of fiscal year 1986. This action would conclude over 50 years of federally coordinated snow survey effort in the Western U. S..

As of May 1, 1985

* * * * *
* Utah's 1985 Water Supply Outlook ranges from below average *
* to much above average. Snow cover remains at only the *
* highest most protected areas. May precipitation ranged *
* from 42 to 260% of average at mountain stations and soil *
* moisture is still above average. Reservoir storage is *
* above average and stream-flow forecasts range from 71% *
* to 395% of average. *
* * * * *

SNOW COVER

Only a few of the highest and more protected snow courses had measurable snow during the last survey of the season about June 1. Basin snow percent of average ranges from 0 on several basins to 80% of the June 1 average for Beaver River. Most basins with any snow at all on the snow courses range from 1 to 40% of average.

PRECIPITATION

Mountain precipitation during May ranged from 42% of average at GBRC Meadows on the San Pitch to 260% at Pine Creek above Fillmore.

SOIL MOISTURE

Watershed soils are generally wetter than average again this year except on the East end of the Uintahs and the South East corner of the State. Low and medium elevation soils are beginning to dry out since snow melt occurred at least a month ahead of normal this year.

RESERVOIR STORAGE

Storage in 23 of Utah's key irrigation reservoirs is now 120% of average and 94% of useable capacity.

STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period remain the same as they were on May 1st and range from 68% of average on Santa Clara to 395% for the Sigurd to Gunnison reach of the lower Sevier River.

Bear River forecasts range from 71 to 127%. Weber-Ogden river range from 80 to 135%. Utah Lake -Jordan River forecasts range from 90 to 151%. Uintah Basin forecasts range from 76 to 140%. South Eastern Utah basins range from 90 to 166%. Sevier Basin forecasts range from 90 to 395%. Southern Utah forecasts range from 68% to 137%. Lake Powell Inflow (137%) was the only forecast that changed from the May 1 figures.

Some water users that depend on direct flow only may have less than average water supplies in the mid to late season unless above average precipitation occurs during the season.

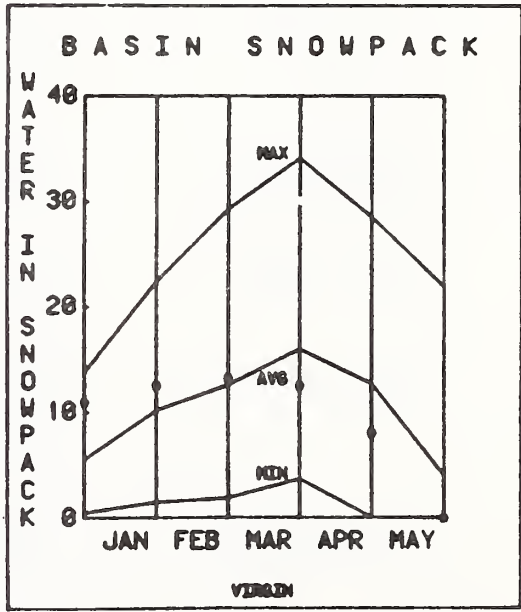
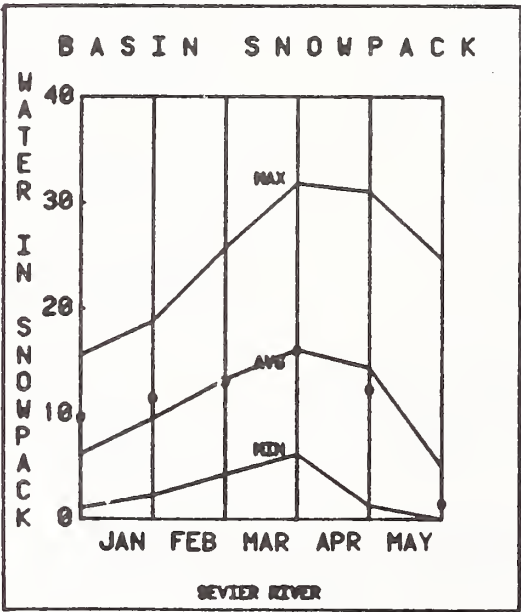
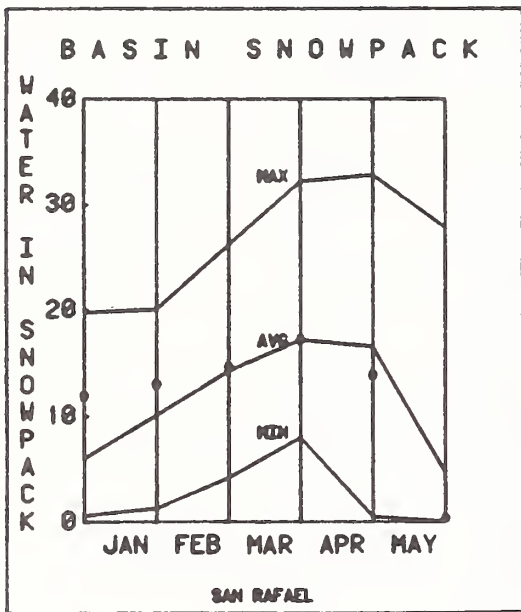
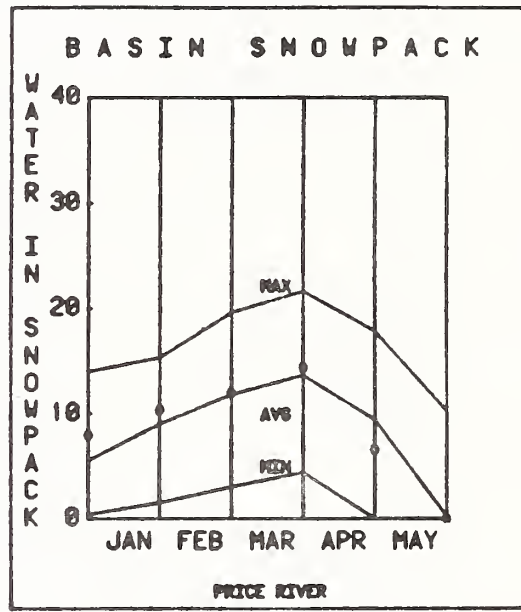
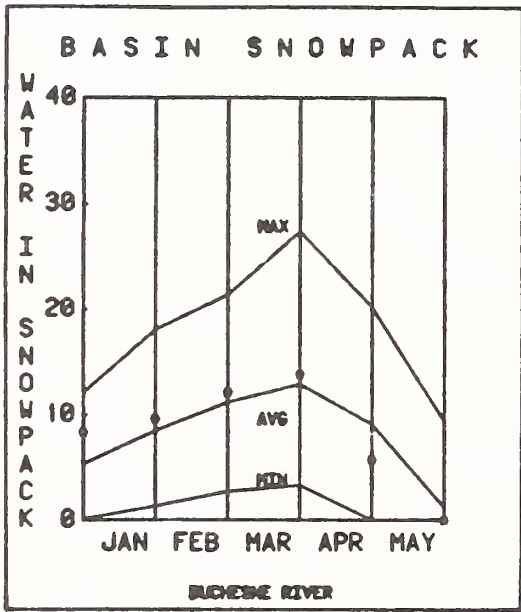
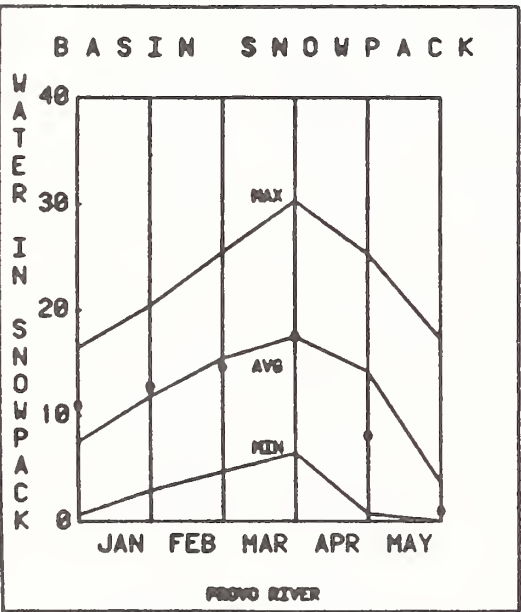
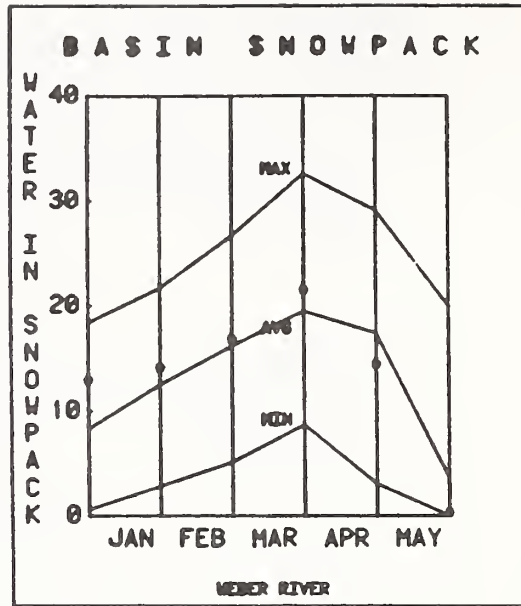
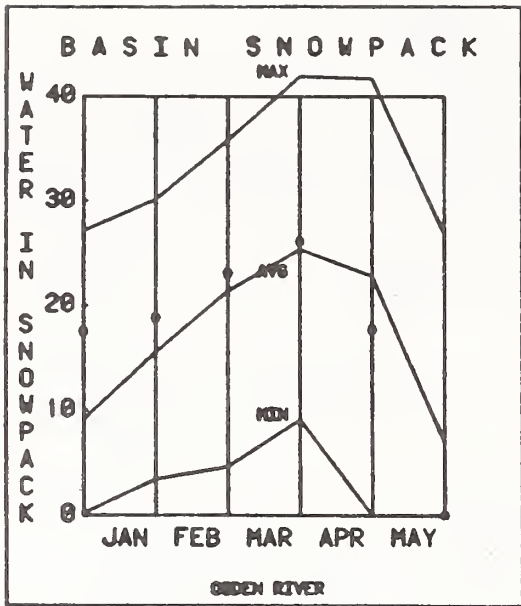
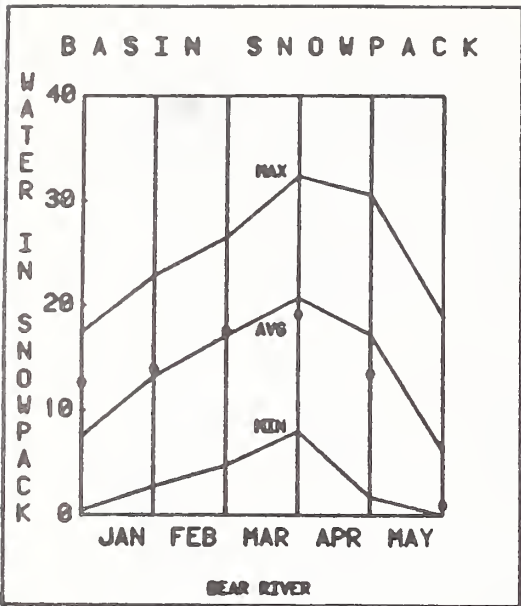
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1263.0	1275.0	1130.7
	Woodruff Narrows	55.8	59.1	60.6	--
	Woodruff Creek	3.5	3.5	3.5	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	22.6	24.0	13.4
<u>Little Bear</u>	Hyrum	15.3	15.5	15.3	14.7
	Porcupine	11.3	11.3	11.9	10.9 ^b
<u>Ogden</u>	Causey	6.9	7.0	7.1	6.3 ^b
	Pineview	110.1	110.2	108.2	99.2
<u>Provo</u>	Deer Creek	149.7	151.0	148.0	135.9
<u>Settlement Creek</u>	Settlement Creek	1.0	1.0	1.2	--
	Vernon Creek	0.6	0.6	0.6	0.5 ^b
<u>Sevier River</u>	Gunnison	18.2	18.2	18.2 ^a	13.4 ^b
	Otter Creek	52.5	52.8	52.7	40.3
	Piute	71.8	69.1	70.7	39.0
	Sevier Bridge	236.0	228.6	248.0	112.3
	Panguitch Lake	22.3	22.1	22.3	--
<u>Utah Lake</u>	Utah Lake	883.9	1236.7	1415.8	--
<u>Weber</u>	East Canyon	48.1	48.7	46.6	46.8 ^b
	Echo	73.9	73.8	63.8	65.6
	Lost Creek	20.0	20.4	20.2	19.1 ^b
	Rockport	60.9	62.4	53.4	47.2
	Willard Bay	165.0	165.5	152.7	--
COLORADO R. BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	33.3	33.3	26.9 ^b
	Red Fleet	26.0	25.6	25.0	--
<u>Colorado</u>	Blue Mesa	829.5	591.5	653.0	--
	Lake Powell	25002.0	24296.0	23090.0	--
<u>Green</u>	Flaming Gorge	3749.0	3356.0	3280.0	--
<u>Lakefork</u>	Moon Lake	35.8	34.1	35.8	18.0
<u>Price River</u>	Scofield	65.8	70.3	72.0 ⁺	53.8
<u>San Juan</u>	Navajo	1696.0	1550.9	1573.0	--
	Ken's Lake	2.3	2.1	2.3	--
<u>San Rafael</u>	Huntington North	3.9	3.8	3.9 ^a	--
	Joe's Valley	54.6	56.5	56.6	54.5 ^b
	Mill Site	16.7	16.7	16.7	--
<u>Strawberry</u>	Starvation	165.3	168.5	149.6	128.9 ^b
	Strawberry (enlarged)	951.4	531.9	--	--
<u>Uintah</u>	Bottle Hollow	11.3	10.9	111.3 ^a	--
	Currant Creek	15.5	13.0	5.0 ^a	--

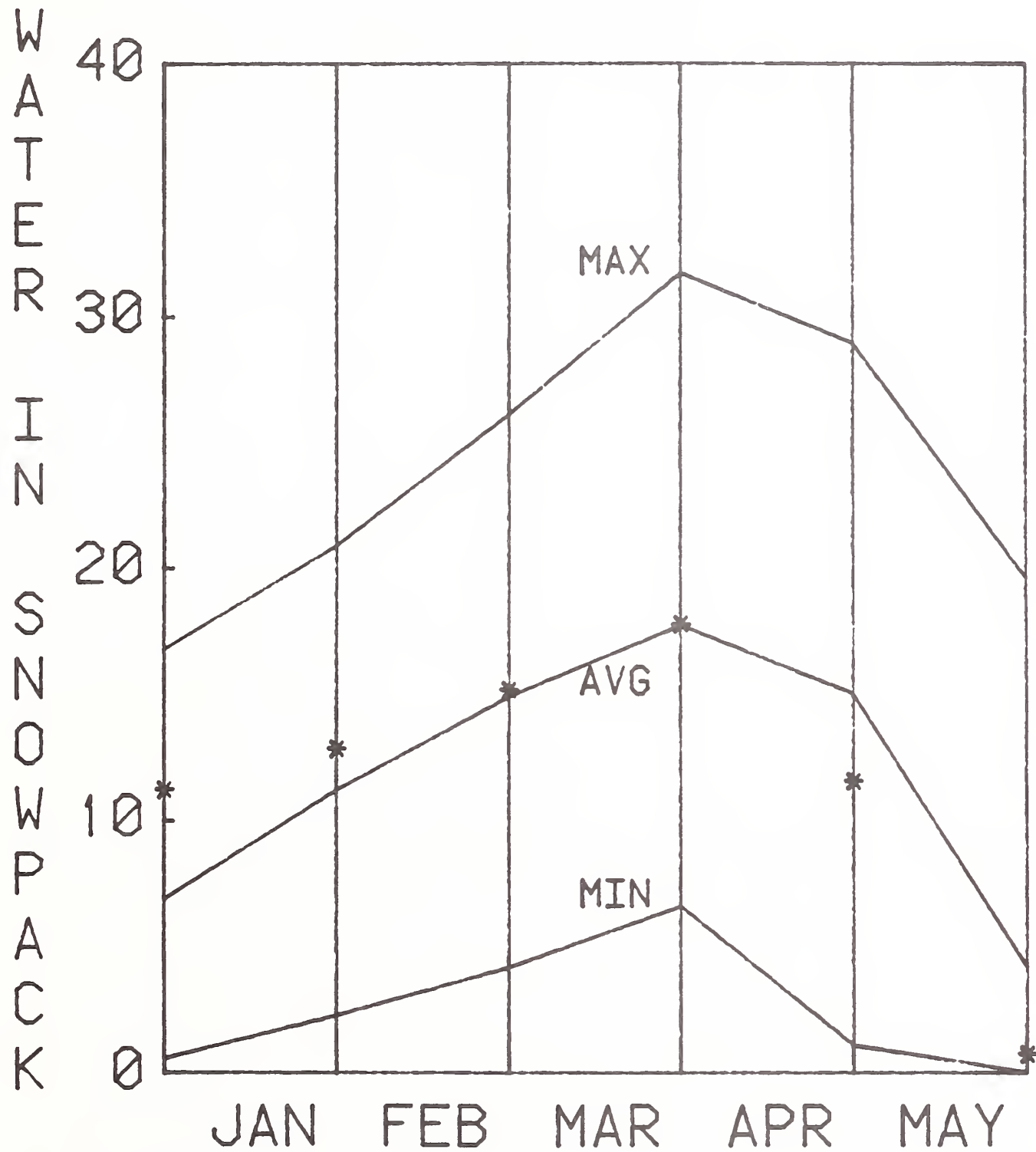
a - Partly estimated

b - Average of past record in average period - less than 20 years

+ - 1961-80 20 year average period



BASIN SNOWPACK



UTAH STATE WIDE

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE TO NEAR AVERAGE

SNOW COVER ranges from 15% of the June 1 average on the Lower Bear and Logan to 26% on the Upper Bear. Warmer than average temperatures put snow melt at least a month ahead of normal this season and snow remains only at the highest and most protected areas.

PRECIPITATION at mountain stations ranged from 80% of the May average on the Upper Bear to 134% at Tony Grove R.S. on Logan River.

SOIL MOISTURE is above average but beginning to dry out at lower and medium elevations.

RESERVOIR STORAGE is above average with all but Bear Lake at or above useable capacity.

STREAMFLOW FORECASTS remain the same as last month and range from 71% of the May-July average on Cub River to 127% for Big Creek. Bear River is forecast 105% at State Line, 102% at Woodruff, 105% at Randolph, and 73% at Harer, Idaho. Smith's Fork is forecast 78% and Thomas Fork 74% of average. Logan River is forecast 95%, Blacksmith 97% and Little Bear 77%.

Some water users are expected to have limited water supplies from direct flow by late season in the area.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
WEBER-OGDEN RIVERS					
Weber nr Oakley	95	102	May-June	146	93
Rockport Reservoir Inflow 1/	97	101	May-June	168	96
Chalk Creek at Coalville	29	100	May-June	67	29
Weber nr Coalville 1/	101	103	May-June	173	98
Lost Creek nr Croydon, UT 1/	14.3	128	May-June	30	11.2 ^a
East Canyon Creek nr Morgan 1/	22	135	May-June	45	16.3
Hardscrabble Crk nr Porterville	16.6	118	May-June	--	14.1 ^a
S. Fork Ogden nr Huntsville 1/	33	80	May-June	90	41 ^a
Pineview Reservoir Inflow 1/	63	85	May-June	239	74 ^a
Echo Reservoir Inflow 2/	121	101	May-June	197	120
Weber at Gateway 1/	247	110	May-June	506	224
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	6.9	103	May-July	--	6.7 ^b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Gauging Stations	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	6	1	1
WEBER RIVER	14	9	22
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
OGDEN	Causey	6.9	7.0	7.1	6.3 ^b
	Pineview	110.1	110.2	108.2	99.2
WEBER	East Canyon	48.1	48.7	46.6	46.8 ^b
	Echo	73.9	73.8	63.8	65.6
	Lost Creek	20.0	20.4	20.2	19.1 ^b
	Rockport	60.9	62.4	53.4	47.2
	Willard Bay	165.0	165.5	152.7	--

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
South Fork Ogden nr Huntsville		763
Chalk Creek nr Coalville		510
Weber nr Oakley		1540

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Beaver Creek R.S.	5/30	0	0.0	0.0	0.0 ^b
Beaver Creek-Skunk Creek	5/30	0	0.0	0.0	0.0 ^b
Ben Lomond Peak	5/31	0	0.0	32.0	16.0 ^a
Ben Lomond Trail	5/31	0	0.0	0.0	0.0
Chalk Creek #1	5/30	4	1.7	13.4	12.9 ^a
Chalk Creek #2	5/30	0	0.0	0.0	1.3 ^a
Chalk Creek #3	5/30	0	0.0	0.0	0.0 ^b
Dry Bread Pond	5/30	0	0.0	2.0	2.4 ^b
Farmington Upper	5/31	3	1.4	26.7	12.0 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Horse Ridge	5/30	0	0.0	7.8	1.9 ^b
Lost Creek Reservoir	5/30	0	0.0	0.0	0.0 ^b
Monte Cristo	5/30	1	0.4	14.9	9.9
Parleys Canyon Summit	5/31	0	0.0	0.0	0.7 ^a
Sagebrush Flat	5/30	0	0.0	0.0	0.0 ^b
Smith & Morehouse	5/30	0	0.0	0.0	0.4 ^a
Trial Lake	5/30	18	7.9	17.3	19.7 ^b

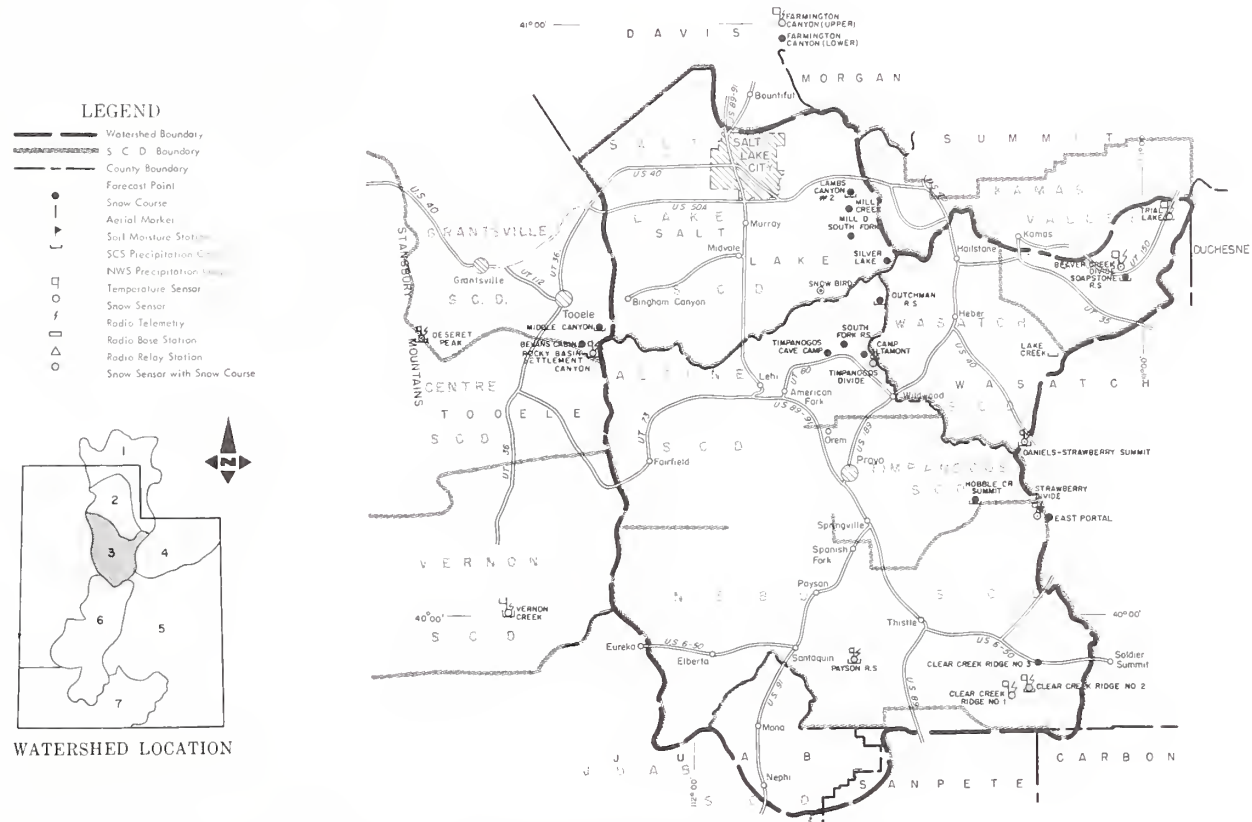
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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH



June 1, 1985
THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER remains at only the highest and most protected areas and now ranges from 1% of the June 1 average for the Jordan River-Salt Lake area to 37% of average on Provo River watershed. Utah Lake watershed was 32% of the June 1 average.

PRECIPITATION at mountain stations ranged from 85% of the May average at Clear Creek #2 to 200% at Vernon Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average and Utah Lake is 3.40 feet above compromise. Great Salt Lake peaked at 4209.95 feet about June 1st.

STREAMFLOW FORECASTS are the same as issued May 1 and range from 90% of the May-July average for City Creek to 151% for Utah Lake Inflows.

Provo River is forecast 93% at Hailstone and 98% below Deer Creek Dam.

American Fork is forecast 113%, Hobbie Creek 117%, Spanish Fork 129% and Payson Creek 91% of the May-July average.

Creeks above the Salt Lake front are forecast from 90% of average on City Creek to 124% for Big Cottonwood and Mill Creeks.

Tooele Valley streams are forecast 129% for Settlement Creek, 126% for South Willow, and 112% for Vernon Creek. All water users are expected to have near average water supplies this season.

UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	87	93	May-July	161	94
Provo below Deer Creek Dam 1/	95	98	May-July	--	96
American Fork nr American Fork	32	113	May-July	50	28
Hobble Creek nr Springville	15.5	117	May-July	--	13.3
Strawberry Reservoir Inflow 1/	55	127	May-July	81	43
Spanish Fork at Thistle	40	129	May-July	--	28
Payson Creek nr Payson	4.0	91	May-July	--	4.4
Utah Lake Inflow	250	151	May-July	--	166
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	36	100	May-July	58	36
Big Cottonwood nr SLC	41	124	May-July	54	33
Parley's Creek nr SLC	13.0	116	May-July	31	11.3
Mill Creek nr SLC	6.3	124	May-July	13	5.0
Emigration Creek nr SLC	2.3	92	May-July	8.5	2.5
City Creek nr SLC	6.0	90	May-July	16.1	6.6
TOOELE VALLEY					
Settlement Crk nr Tooele	2.7	129	May-July	--	2.1
S. Willow Crk nr Grantsville	3.4	126	May-July	5.9	2.7
Vernon Creek nr Vernon	0.6	112	May-June	2.2	0.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UTAH LAKE	9	21	32
PROVO RIVER	4	46	37
JORDAN RIVER & SALT LAKE	5	1	1
TOOELE VALLEY & VERNON CREEK		Not scheduled	

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 20 years
+ - 1961-80 20 year average period
e - Maximum mean daily peak flow
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
SPANISH FORK	Strawberry (Enlarged)	951.4	531.9	--	--
UTAH LAKE	Utah Lake	883.9	1236.7	1415.8	--
	Settlement Creek	1.0	0.1	--	--
	Vernon Creek	0.6	0.6	0.6	0.5 ^b
PROVO	Deer Creek	149.7	151.0	148.0	135.9

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Big Cottonwood nr Salt Lake City		442
Little Cottonwood nr Salt Lake City		384
Provo Near Hailstone		2128
Spanish Fork nr Thistle		451 ^b
American Fork nr American Fork		329
Mill Creek nr Salt Lake City		59
Parley's Creek nr Salt Lake City		153
City Creek nr Salt Lake City		75
Emigration		--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Bevans Cabin			Not scheduled		
Clear Creek #1	5/29	0	0.0	5.4	2.8 ^a
Clear Creek #2	5/29	0	0.0	0.0	0.2 ^b
Clear Creek #3	5/29	0	0.0	0.0	0.0 ^a
Daniels-Strawberry Summit	5/30	0	0.0	0.0	0.2 ^a
Oeseret Peak			Not scheduled		
Hobble Creek Summit	5/28	0	0.0	0.0	0.0 ^b
Lambs Canyon #2	5/30	0	0.0	0.0	0.5 ^b
Middle Canyon			Not scheduled		
Mill Creek	5/30	0	0.0	9.4	5.1 ^a

SNOW

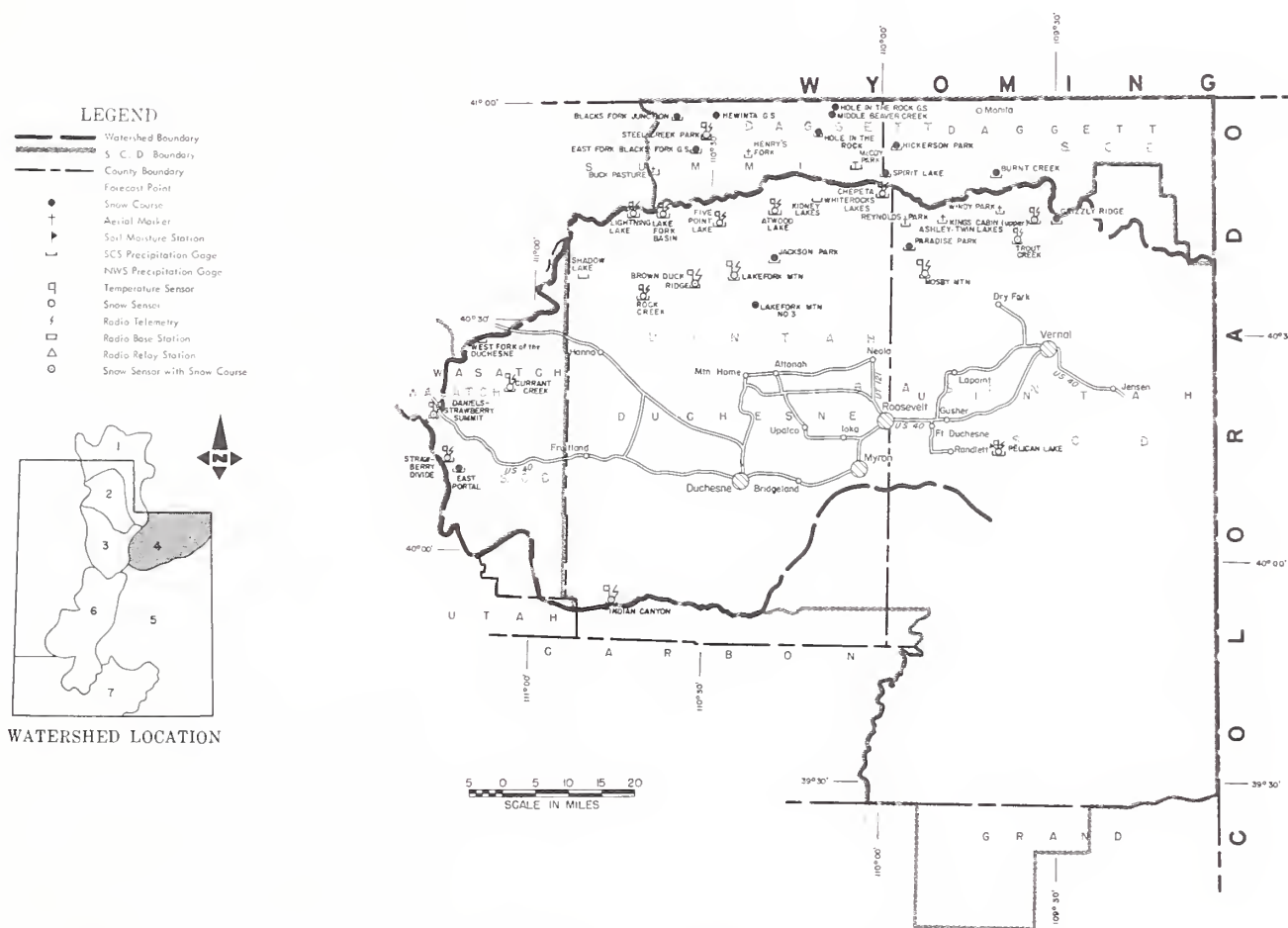
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Mill D South Fork	5/30	2	0.1	0.0	2.4 ^a
Parley's Canyon Summit	5/31	0	0.0	0.0	0.7 ^a
Payson R.S.	5/28	0	0.0	5.6	0.7 ^b
Rocky Basin-Settlement Canyon	5/31		2.1 ^a		
Silver Lake Brighton	5/30	3	0.2	14.2	12.0 ^b
Soapstone R.S.	5/30	0	0.0	0.0	0.2 ^a
Timpanogos Divide	5/31		0.1 ^a	0.0	4.3 ^b
Trial Lake	5/30	18	7.9	17.3	19.7 ^b
Vernon Creek	5/31		0.0 ^a	0.0	0.0 ^b

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WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER as a percent of the June 1 average now ranges from 0% on the Strawberry River, Uintah River, Whiterocks River, Ashley Creek, and Sheep Creek snow courses to 43% on Black's Fork. The entire Duchesne River drainage is 24% and Lakefork-Yellowstone Creek drainage is 40% of the June 1 average.

PRECIPITATION at mountain stations was generally below average during May ranging from 52% at Spirit Lake to 122% at Currant Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average in all reservoirs with averages established.

STREAMFLOW FORECASTS are the same as reported last month with a range of 76% of the May-July average for Flaming Gorge Inflow to 140% of the May-September average for Henry's Fork. The Duchesne is forecast 104% near Tabiona, 105% at Duchesne, 130% at Myton, 136% at Randlett, and the West Fork is forecast 110% of average. The Strawberry River is forecast 121% at Duchesne, Currant Creek 111%, Rock Creek 107%, Lakefork 101%, Yellowstone 106%, Whiterocks 118%, and Uinta 120%. Black's Fork is forecast 109% and Ashley Creek 122%. All water users are expected to have an adequate water supply this season.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acres Feet	Percent of Average		Last Year	Average
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	100	104	May-July	134	96
Duchesne at Duchesne 1/	185	105	May-July	248	175
Strawberry at Duchesne	58	121	May-July	141	48
Rock Creek nr Mtn. Home	94	107	May-July	112	88
Current Creek nr Fruitland	18.5	111	May-July	47	16.6
Lakefork below Moon Lake 1/	68	101	May-July	77	67
Yellowstone nr Altonah	65	106	May-July	64	61
Duchesne at Myton 1/	242	130	May-July	314	186
Whiterocks nr Whiterock	66	118	May-July	56	56
Uintah nr Neola	97	120	May-July	--	81
Duchesne at Randlett 1/	314	136	May-July	389	231
West Fork Duchesne at Hanna	27	110	May-July	--	24
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	60	140	May-Sept	85	43
Black's Fork nr Millburne	95	109	May-July	121	87
Flaming Gorge Inflow 1/	820	76	May-July	--	1080
Ashley Creek nr Vernal	60	122	May-July	61	49

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	15	28	24
LAKEFORK-YELLOWSTONE CREEKS	4	105	40
STRAWBERRY RIVER	5	0	0
UINTAH - WHITEROCKS RIVERS	3	0	0
ASHLEY CREEK	3	0	0
BLACK'S FORK	3	41	43
SHEEP CREEK	3	0	0
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
ASHLEY CREEK	Red Fleet	26.0	25.6	25.0	--
	Steinaker	33.3	33.3	33.3	26.9 ^b
GREEN RIVER	Flaming Gorge	3749.0	3356.0	3280.0	--
LAKE FORK	Moon Lake	35.8	34.1	35.8	18.0
STRAWBERRY	Current Creek	15.5	13.0	5.0 ^a	--
	Starvation	165.3	168.5	149.6	128.9 ^b
	Strawberry (Enlg)	951.4	5311.9	--	--
UINTAH	Bottle Hollow	11.3	10.9	11.3 ^a	--

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Strawberry at Duchesne		675
Ashley Creek nr Vernal		966
Rock Creek nr. Mtn. Home		1415

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
Brown Duck Ridge	5/29	25	11.1	10.6	15.3 ^a
Burnt Creek	5/30	0	0.0	0.0	0.3 ^b
Current Creek	5/30	0	0.0	0.0	0.0 ^b
Daniels-Strawberry	5/30	0	0.0	0.0	0.2 ^a
Grizzly Ridge	5/30	0	0.0	0.0	1.0 ^b
Hewinta G. S.	5/30	2	0.3	0.0	2.0 ^b
Hickerson Park	5/29	0	0.0	0.0	0.1 ^b
Jackson Park	5/29	0	0.0	0.0	8.8 ^a
Kings Cabin Upper	5/29	0	0.0	0.0	1.0 ^b

SNOW

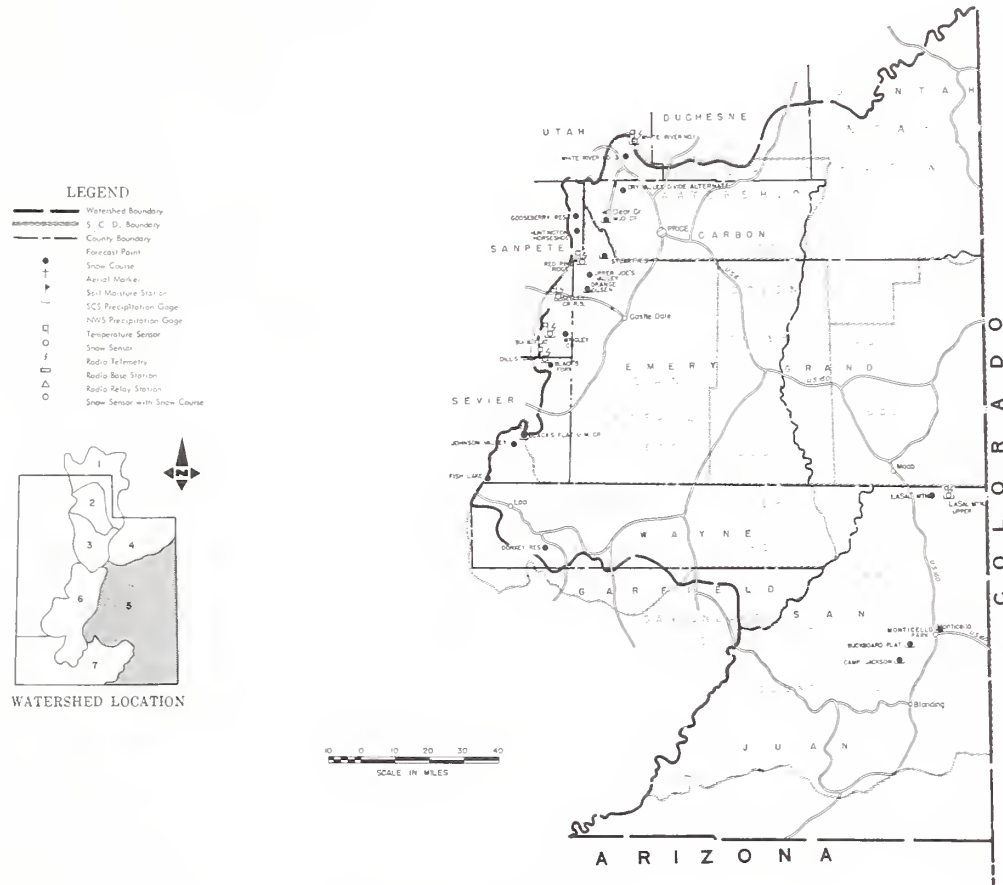
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
Lakefork Mountain	5/29	0	0.0	0.0	3.6 ^b
Mosby Mountain	5/29	0	0.0	0.0	3.2 ^b
Paradise Park	5/29	0	0.0	0.0	7.3 ^b
Rock Creek Ranch	5/29	0	0.0	0.0	0.0 ^a
Spirit Lake	5/29	0	0.0	0.0	7.3 ^b
Steel Creek Park	5/30	18	5.8	14.5	11.9 ^a
Strawberry Divide	5/31	0.0 ^a	0.0 ^a	0.0 ^b	0.0 ^b
Trout Creek	5/29	0	0.0	0.0	1.5 ^b

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WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH



June 1, 1985

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER on snow courses on the Price, Fremont, LaSal Mountain, Blue Mountain, and Muddy River drainage is nonexistent. The highest two courses on the San Rafael had some snow left but only enough to equal 18% of the June 1 average for the basin.

PRECIPITATION at mountain stations during May ranged from 90% at Camp Jackson and LaSal Upper to 152% of the May average at Black's Flat-U.M. Creek.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with all reservoirs very near capacity or spilling.

STREAMFLOW FORECASTS remain the same as reported last month ranging from 90% of the May-July average for the Green River at Green River to 166% for Navajo Reservoir Inflow on the San Juan River. The Price River is forecast 143% at Heiner, Gooseberry Creek 125%, and Scofield Inflow 106%. the tributaries to the San Rafael are forecast as follows: Huntington Creek 136%, Cottonwood Creek 132%, and Ferron Creek 129%. The Dirty Devil tributaries are forecast 114% for Muddy Creek and 97% for Seven Mile Creek near Fish Lake. Mill Creek near Moab is forecast 103%. The Colorado near Cisco is forecast 141% and the San Juan near Bluff 161% of the May-July average. All water users are expected to have adequate water supplies this season.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
PRICE RIVER					
Gooseberry Crk nr Scofield	12.5	125	May-July	--	10.0
Scofield Reservoir Inflow	40	106	May-July	166	33
Price nr Heiner 1/	80	143	May-July	--	56
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	60	136	May-July	--	43 ^b
Cottonwood Crk nr Orangeville	57	132	May-July	159	43 ^b
Ferron Creek nr Ferron	44	129	May-July	77	34
MUDDY CREEK					
Muddy Creek nr Emery	21	114	May-July	44	16.8
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3730	141	May-July	--	2638
Green at Green River, UT	2335	90	May-July	--	2594
Mill Creek nr Moab	4.8	103	May-July	17.4	4.7 ^b
Navajo Reservoir Inflow	960	166	May-July	--	540
San Juan nr Bluff, UT	1280	161	May-July	--	793
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	5.6	97	May-July	14.7	5.8 ^b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	0	0
SAN RAFAEL RIVER	8	10	18
FREMONT RIVER	3	0	0
LASAL MOUNTAINS	2	0	0
BLUE MOUNTAINS	3	0	0
MUDDY RIVER	2	0	0

1 - Observed flow corrected for change in storage and diversions
2 - Inflow record as computed by U. S. Bureau of Reclamation
3 - Provisional flows - Subject to Correction
a - Partly estimated
b - Average of all past record - less than 20 years
e - Maximum mean daily peak flow
+ - 1961-80 20 year Average Period
* - Forecast in cooperation with National Weather Service

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range *	Average
Ferron Creek near Ferron		444
Muddy Creek near Emery		168
Huntington Cr. near Huntington		516 ^b

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
PRICE RIVER	Scofield	65.8	70.3	72.0 ⁺	53.8
SAN RAFAEL	Huntington North	3.9	3.8	3.9 ^a	--
	Joe's Valley	54.6	56.5	56.6	54.5 ^b
	Mill Site	16.7	16.7	16.7	--
SAN JUAN	Navajo	1696.0	1550.9	1573.0	--
	Kens Lake	2.3	2.1	2.3	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Buck Flat	5/29	0	0.0	9.1	4.1 ^b
Buckboard Flat	5/30	0	0.0	0.0	0.4 ^b
Camp Jackson	5/30	0	0.0	0.0	0.0 ^b
Dills Camp	5/29	0	0.0	0.0	0.9 ^a
Dry Valley Divide Alternate	5/29	0	0.0	0.0	0.0 ^b
Huntington-Horseshoe	5/29	10	4.6	23.8	19.6 ^a
Indian Canyon	5/29	0	0.0	0.0	1.4 ^b
LaSal Mtn. Upper	5/30	0	0.0	0.0	2.7 ^a
Mammoth-Cottonwood R.S.	5/29	0	0.0	11.2	4.8 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Monticello City Park				0.0	0.0 ^b
Mud Creek	5/29	0	0.0	0.0	0.0 ^b
Red Pine Ridge	5/29	0	0.0	6.9	1.8 ^b
Seeley Creek	5/29	2	1.3	22.4	8.2 ^a
Stuart R.S.	5/29	0	0.0	0.0	0.0 ^b
Upper Joe's Valley	5/29	0	0.0	0.0	0.0 ^b
White River #1	5/29	0	0.0	0.0	0.3 ^b
White River #3	5/29	0	0.0	0.0	0.0 ^b
Wrigley Creek	5/29	0	0.0	0.0	0.0 ^b

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THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

PRECIPITATION at mountain stations varied widely during May ranging from 42% at G.B.R.C. Meadows to 260% of the May average at Pine Creek.

RESERVOIR STORAGE is still well above average ranging from 131% for Otter Creek to 204% of the June 1 average for Sevier Bridge.

STREAMFLOW FORECASTS are unchanged from last month ranging from 90% of the May-July average on Ephraim Creek to 395% for the Sigurd to Gunnison reach of the Sevier. Other forecasts on the Sevier are: Sevier at Hatch 121%, Circleville 133%, Kingston 154%, East Fork 104%, below Piute Dam 138%, and near Gunnison 242%. Antimony Creek is forecast 111%, Clear Creek 123%, Salina Creek 131%, and Pleasant Creek 114%. Chalk Creek near Fillmore is forecast 106%, Chicken Creek 104%, Oak Creek 91%, and Salt Creek 101%. The Beaver River is forecast as follows: 111% at Beaver, 113% for North Creeks (combined), and 136% for Minersville Inflow. All water users are expected to have adequate water supplies this season.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST \pm		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousands Acre Feet	Percent of Average \pm		Last Year	Average \pm
SEVIER RIVER					
Sevier at Hatch	50	121	May-July	39	42
Sevier nr Circleville	40	133	May-July	--	30
Sevier nr Kingston	34	154	May-July	--	22
Antimony Crk nr Antimony	10.0	111	May-July	--	5.7
East Fork Sevier nr Kingston	13.0	104	May-July	--	12.5
Sevier below Piute Dam	46	138	May-July	--	33
Clear Crk nr Sevier (abv Div)	20	123	May-July	--	16.2
Sigurd to Gunnison	85	395	May-July	--	21.5
Kingston to Vermillion Dam	45	161	May-June	--	28
Vermillion Dam to Gunnison	65	342	May-June	--	19.0
Salina Creek at Salina	14.7	131	May-June	--	10.8
Sevier nr Gunnison	100	242	May-July	--	41
Chalk Creek nr Fillmore	14.0	106	May-July	--	13.2 ^b
Chicken Creek nr Levan	2.9	104	May-July	21	2.8 ^b
Oak Cr. nr Oak City	1.0	91	May-July	2.6	1.1 ^b
Ephraim Creek nr Ephraim	7.5	90	May-July	--	8.3
Pleasant Crk nr Mt. Pleasant	9.0	114	May-July	--	4.9
Salt Creek nr. Nephi	10.9	101	May-July	--	10.8
Beaver nr Beaver	23	111	May-July	47	21
North Creek (Combined)	14.4	113	May-July	--	12.7 ^a
Minersville Inflow	10.5	136	May-June	--	7.7

RESERVOIR STORAGE (Thousand Acre Foot)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average \pm
SEVIER RIVER	Gunnison	18.2	18.2	18.2 ^a	13.4 ^b
	Otter Creek	52.5	52.8	52.7	40.3
	Piute	71.8	69.1	70.7	39.0
	Sevier Bridge	236.0	228.6	248.0	112.3
	Panguitch Lake	22.3	22.1	22.3 ^a	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	22.6	24.0	13.4

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average \pm
UPPER SEVIER RIVER	11	0	0
East Fork Sevier	4	0	0
South Fork Sevier	7	0	0
LOWER SEVIER	11	17	43
BEAVER RIVER	4	65	80
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range \times	Average \pm
Beaver River nr Beaver		257
Sevier River at Hatch		484
Sevier River nr Kingston		312
Clear Creek nr Sevier		226
Salina Creek nr Salina		285

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average \pm
NAME					
Big Flat	5/28	34	14.2	19.5	14.1 ^b
Bryce Canyon	5/28	0	0.0	0.0	--
Castle Valley	5/28	0	0.0	0.0	0.0 ^b
Duck Creek	5/28	0	0.0	0.0	0.5 ^a
Farnsworth Lake	5/28	17	7.2	26.3	14.0 ^a
Gooseberry R.S.	5/28	0	0.0	0.0	0.8 ^b
Harris Flat	5/28	0	0.0	0.0	0.5 ^a
Kimberly Mine	5/28	0	0.0	9.5	3.2 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average \pm
NAME					
Long Valley Junction	5/28	0	0.0	0.0	0.0 ^b
Merchants Valley Upper	5/28	0	0.0	0.0	0.5 ^a
Midway Valley	5/28	0	0.0	0.0	12.1 ^b
Oak Creek	5/28	0	0.0	0.0	0.0 ^a
Otter Lake	5/28	8	2.5	6.2	6.4 ^a
Pickle Keg Springs	5/29	0	0.0	13.2	1.6 ^a
Pine Creek	5/28	0	0.0	16.3	1.9 ^a
Widtsoe-Escalante #3	5/28	0	0.0	0.0	0.9 ^a

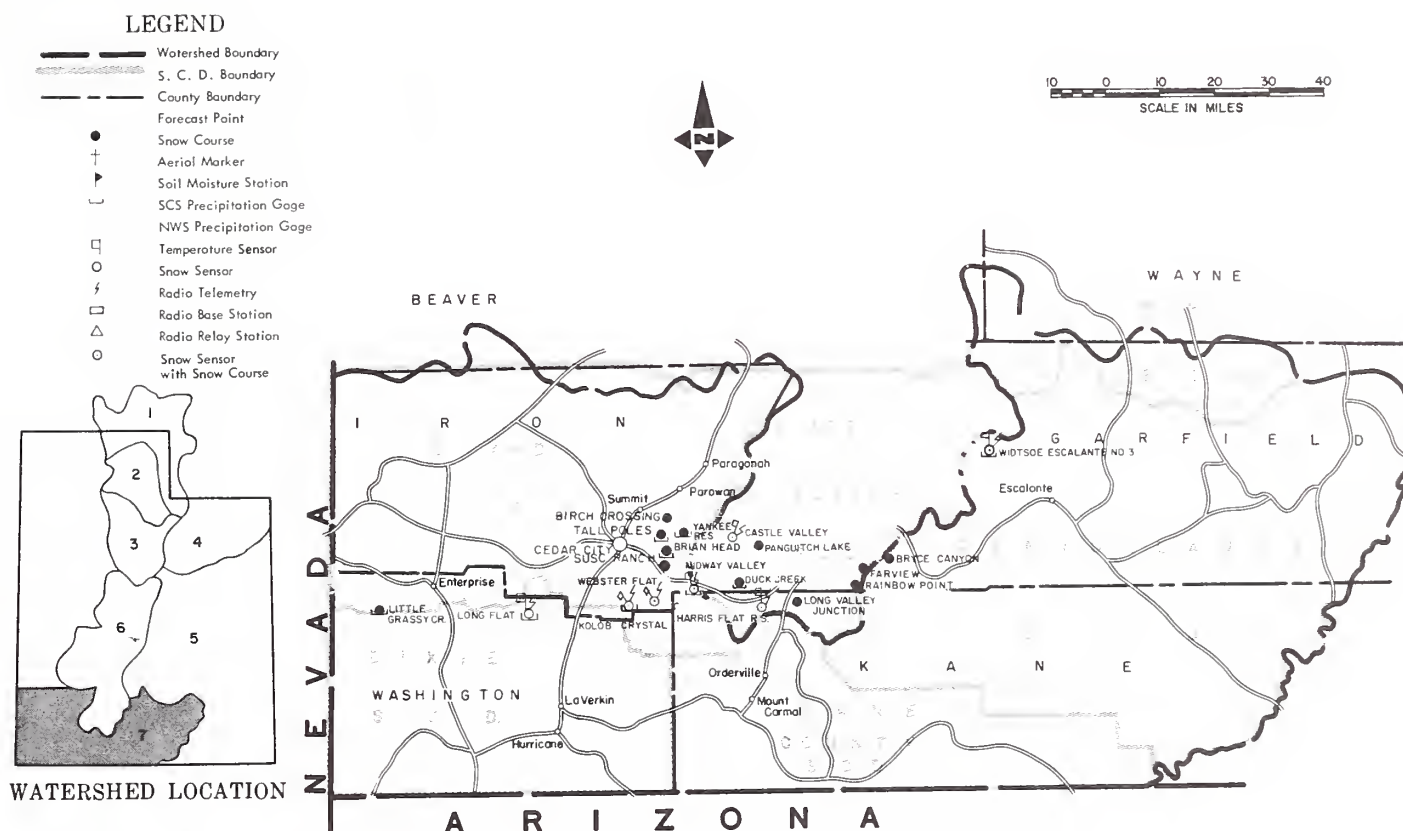
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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH



THE WATER SUPPLY OUTLOOK IS BELOW TO NEAR AVERAGE

SNOW COVER with the exception of Brian Head was nonexistent. Snow courses on Coal Creek, Virgin River, Enterprise-New Harmony drainages, and the Escalante River were all bare. Compared to the June 1 average these basins range from 0% to only 3% on Parowan Creek.

PRECIPITATION during May at mountain stations was highly variable as a result of thunderstorm activity ranging from 49 to 203% of average.

SOIL MOISTURE is near average on most of the higher elevations.

RESERVOIR STORAGE is reported at 80 to 90% of capacity in Baker and Gunlock reservoirs. Quail Creek is filling and now holds approximately 1500 acre-feet. The Enterprise reservoirs are reported at less than half full and dropping fast as irrigation releases increase.

STREAMFLOW FORECASTS are the same as reported last month. The Virgin near Hurricane is forecast 100% and the Santa Clara is forecast 68% of the May-June average. Coal Creek is forecast 96% for the May-July runoff period and Inflow to Lake Powell is forecast 137%. Water supply shortages may occur later in the season as reservoirs are drawn down if summer precipitation is not great enough to offset releases. Water users relying on diversions from streamflow may also encounter shortages if summer rains are not greater than normal.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST %		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average
VIRGIN RIVER					
Virgin nr Hurricane	40	100	May-June	21	40
Santa Clara nr Pine Valley	2.8	68	May-June	--	4.1
COAL CREEK					
Coal Creek nr Cedar City	14.8	96	May-July	16.3	15.4
UPPER COLORADO					
Lake Powell Inflow	8900	137	May-July	--	6475

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	4	0	0
VIRGIN RIVER	5	0	0
PAROWAN CREEK	4	3	3
ENTERPRISE - NEW HARMONY	2	0	0
ESCALANTE RIVER	1	0	0
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
COLORADO	Lake Powell	25002.0	24296.0	23090.0	--
	Blue Mesa	829.5	591.5	653.0	--

PEAK FLOWS^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Coal Creek nr Cedar City		220
Virgin nr Hurricane		1092

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Birch Crossing	5/30	0	0.0	0.0	0.0 ^b
Brian Head	5/28	1	0.4	2.4	10.6 ^b
Harris Flat	5/28	0	0.0	0.0	0.0 ^b
Kolob-Crystal	5/28	0	0.0	0.0	9.0 ^a
Little Grassy	5/28	0	0.0	0.0	0.0 ^b
Long Flat	5/28	0	0.0	0.0	0.0 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Long Valley Junction	5/28	0	0.0	0.0	0.0 ^b
SUSC Ranch	5/30	0	0.0	0.0	0.0 ^b
Tall Poles	5/30	0	0.0	0.0	1.5 ^b
Webster Flat	5/28	0	0.0	0.0	2.9 ^b
Yankee Reservoir	5/28	0	0.0	0.0	0.0 ^b

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SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80

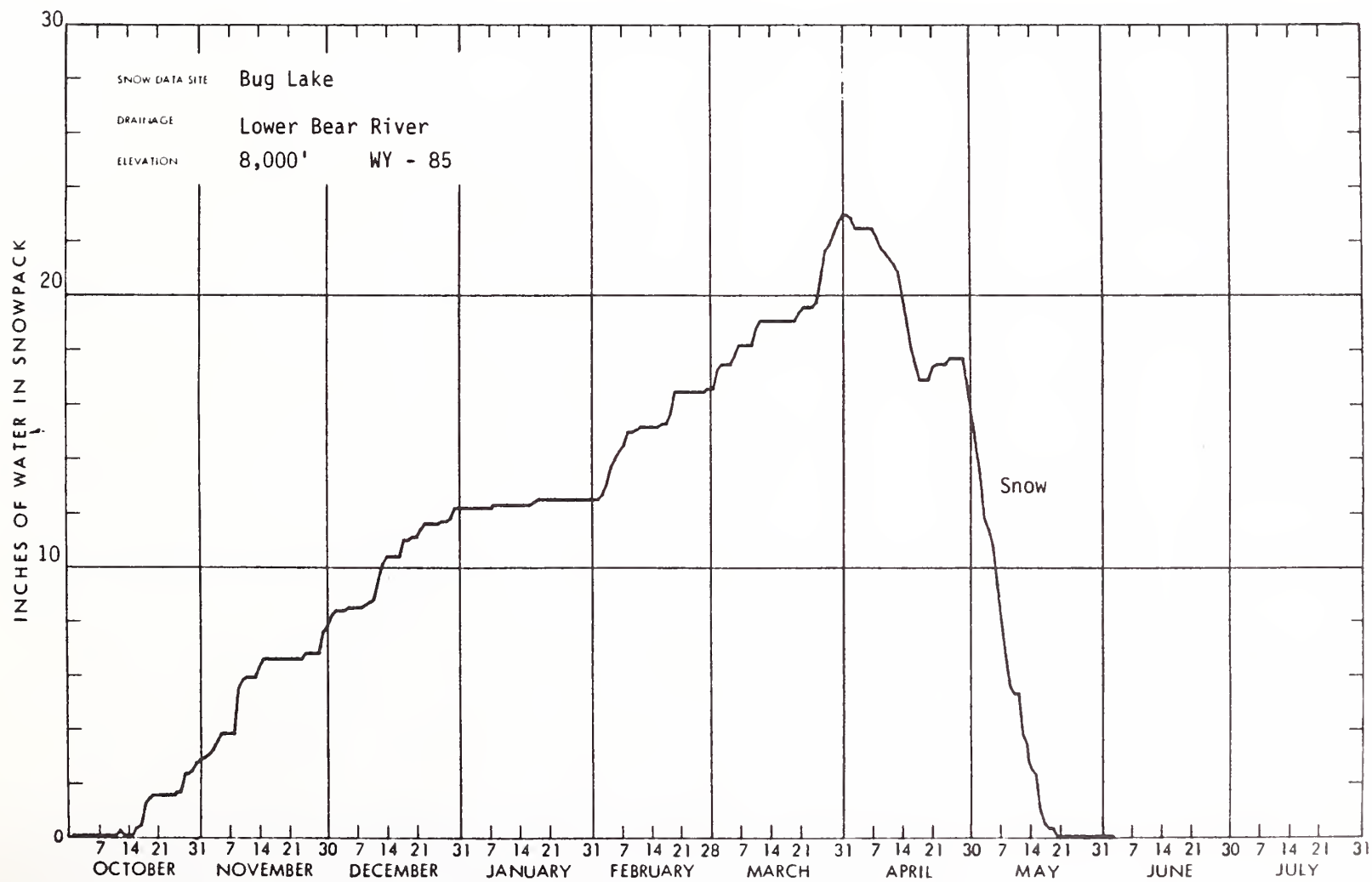
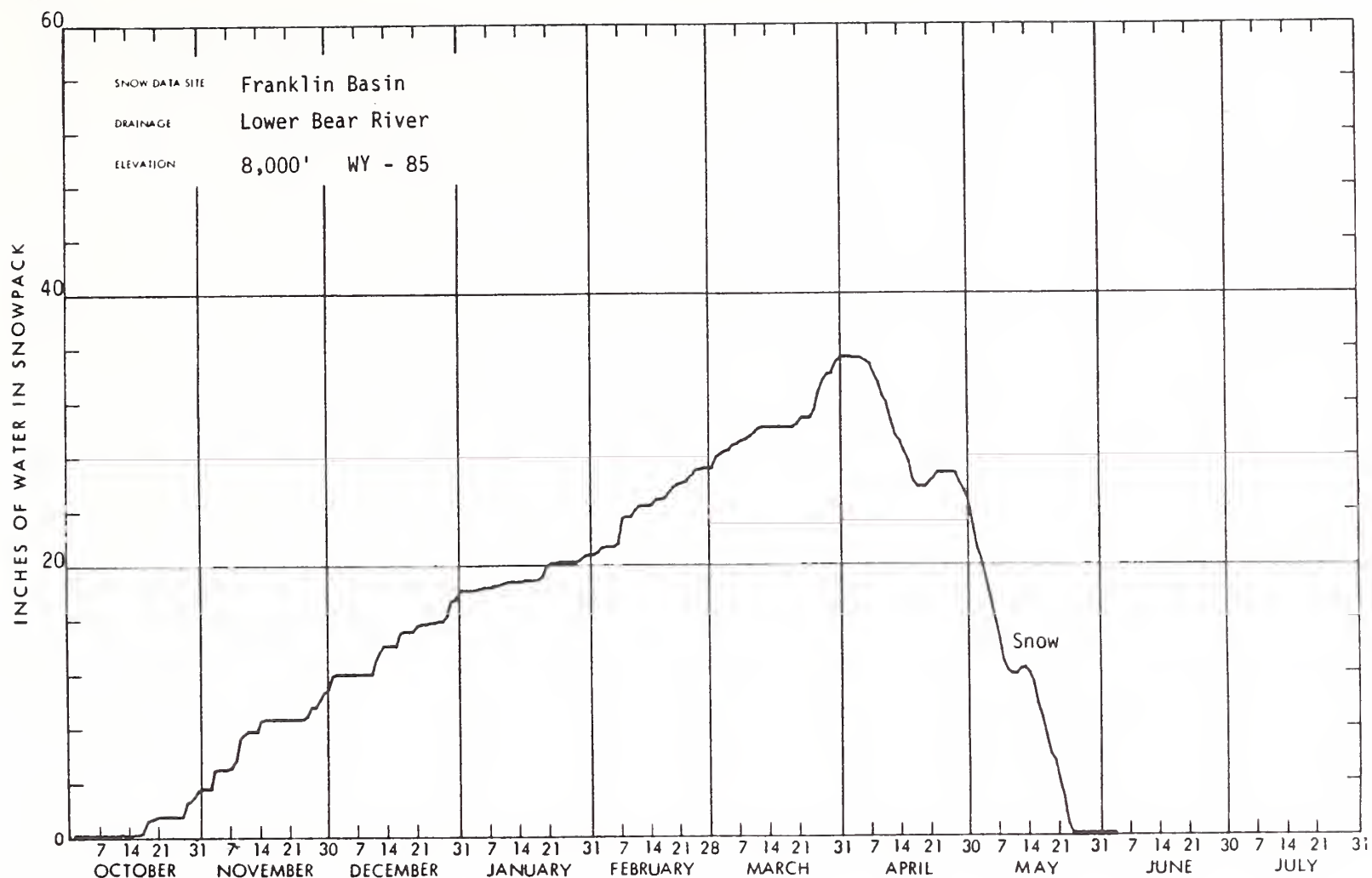
BEAR RIVER, UPPER IN UTAH (above Harer, Idaho)						
BURT'S-MILLER RANCH	7900	5/30/85	3	.3	.0	.0
HAYDEN FORK	9400	5/30/85	0	.0	.0	4.1
MONTE CRISTO R.S.	8960	5/30/85	1	.4	14.9	9.9
STILLWATER CAMP	8550	5/30/85	1	.1	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
BEAR RIVER, LOWER IN UTAH (below Harer, Idaho)						
BUG LAKE	7950	5/31/85	0	.0	4.8	.2
CUE RIVER R.S.	5450	5/31/85	0	.0	.0	.0
FRANKLIN BASIN	8020	5/31/85	0	.0	16.3	10.6
GARDEN CITY SUMMIT	7600	5/31/85	0	.0	4.8	2.6
KLONDIKE NARROWS	7400	5/31/85	0	.0	.0	1.1
LITTLE BEAR (LOWER)	6000	5/30/85	0	.0	.0	.0
LITTLE BEAR (UPPER)	6550	5/30/85	0	.0	.0	.0
STEEP HOLLOW #1	8500	5/31/85	18	9.1	34.8	24.9
STEEP HOLLOW #2	7700	5/31/85	0	.0	9.9	7.0
TONY GROVE LAKE	8400	5/31/85	0	.0	29.9	16.3
TONY GROVE R.S.	6250	5/31/85	0	.0	.0	.0
WILLOW FLAT	6100	5/31/85	0	.0	.0	.0
LOGAN RIVER						
FRANKLIN BASIN	8020	5/31/85	0	.0	16.3	10.6
GARDEN CITY SUMMIT	7600	5/31/85	0	.0	4.8	2.6
KLONDIKE NARROWS	7400	5/31/85	0	.0	.0	1.1
STEEP HOLLOW #1	8500	5/31/85	18	9.1	34.8	24.9
STEEP HOLLOW #2	7700	5/31/85	0	.0	9.9	7.0
TONY GROVE LAKE	8400	5/31/85	0	.0	29.9	16.3
TONY GROVE R.S.	6250	5/31/85	0	.0	.0	.0
RAFT RIVER						
OGDEN RIVER						
BEAVER CREEK-SKUNK	7150	5/30/85	0	.0	.0	.0
BEN LOMOND PEAK	8000	5/31/85	0	.0	32.0	16.0
BEN LOMOND TRAIL	6000	5/31/85	0	.0	.0	.0
DRY BREAD POND	8350	5/30/85	0	.0	2.0	2.4
MONTE CRISTO R.S.	8960	5/30/85	1	.4	14.9	9.9
SAGEBRUSH FLAT	6300	5/30/85	0	.0	.0	.0
WEBER RIVER						
BEAVER CREEK R.S.	7500	5/30/85	0	.0	.0	.0
CHALK CREEK #1	9100	5/30/85	4	1.7	13.4	12.9
CHALK CREEK #2	8200	5/30/85	0	.0	.0	1.3
CHALK CREEK #3	7500	5/30/85	0	.0	.0	.0
FARMINGTON CANYON L.	6950	5/31/85	0	.0	14.5	.0
FARMINGTON CANYON	8000	5/31/85	3	1.4	26.7	12.0
HORSE RIDGE	8260	5/30/85	0	.0	7.8	1.9
KILFOIL CREEK	7300	5/30/85	0	.0	.0	.1
LOST CREEK RESERVOIR	6130	5/30/85	0	.0	.0	.0
PARLEY'S CANYON SUM.	7500	5/31/85	0	.0	.0	.7
PINE CANYON	8000	5/30/85	0	.0	.0	.0
REDDEN MINE LOWER	8500	5/30/85	1	.2	.4	3.0
SMITH & MOREHOUSE	7600	5/30/85	0	.0	.0	.4
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7

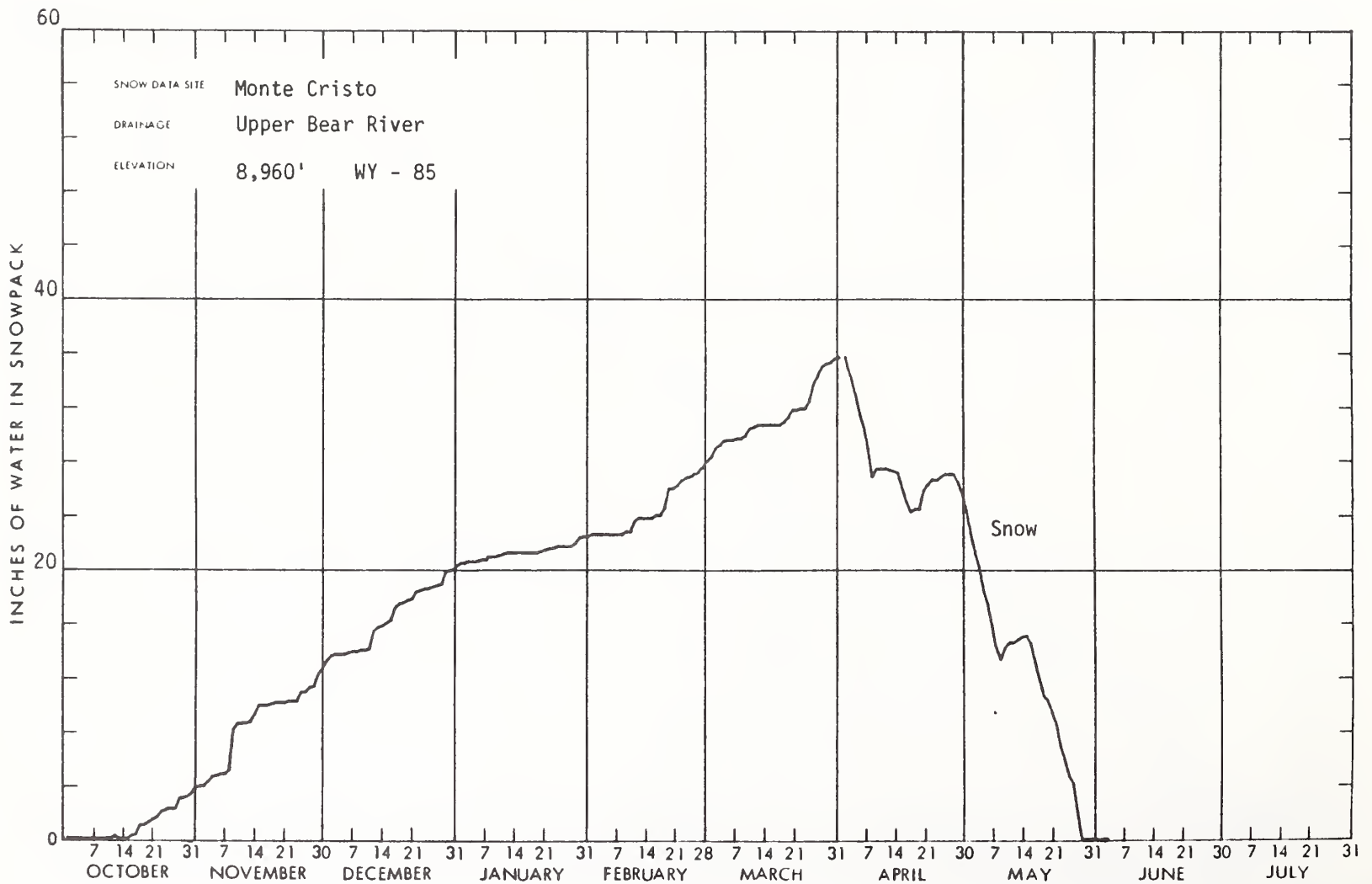
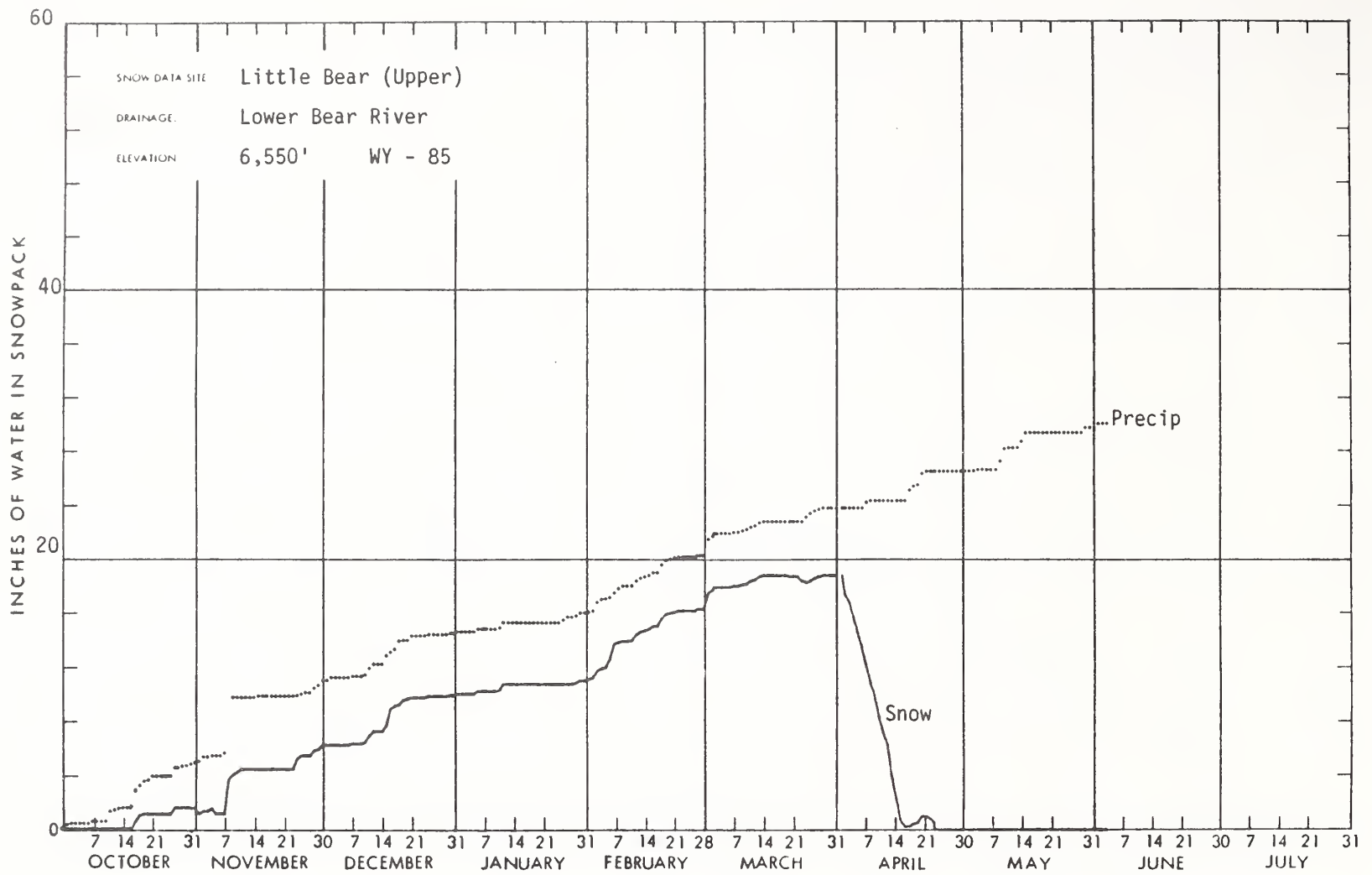
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80

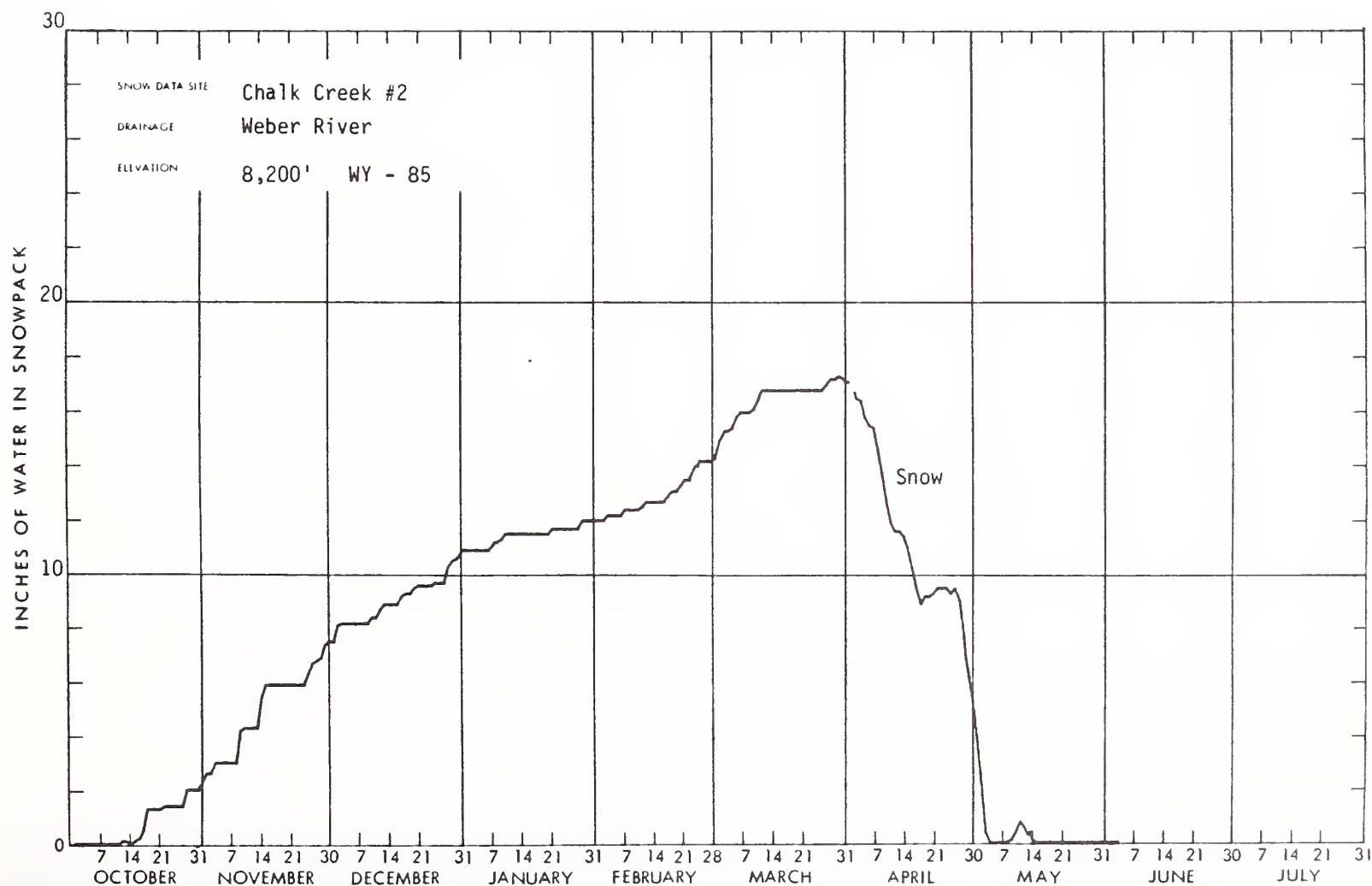
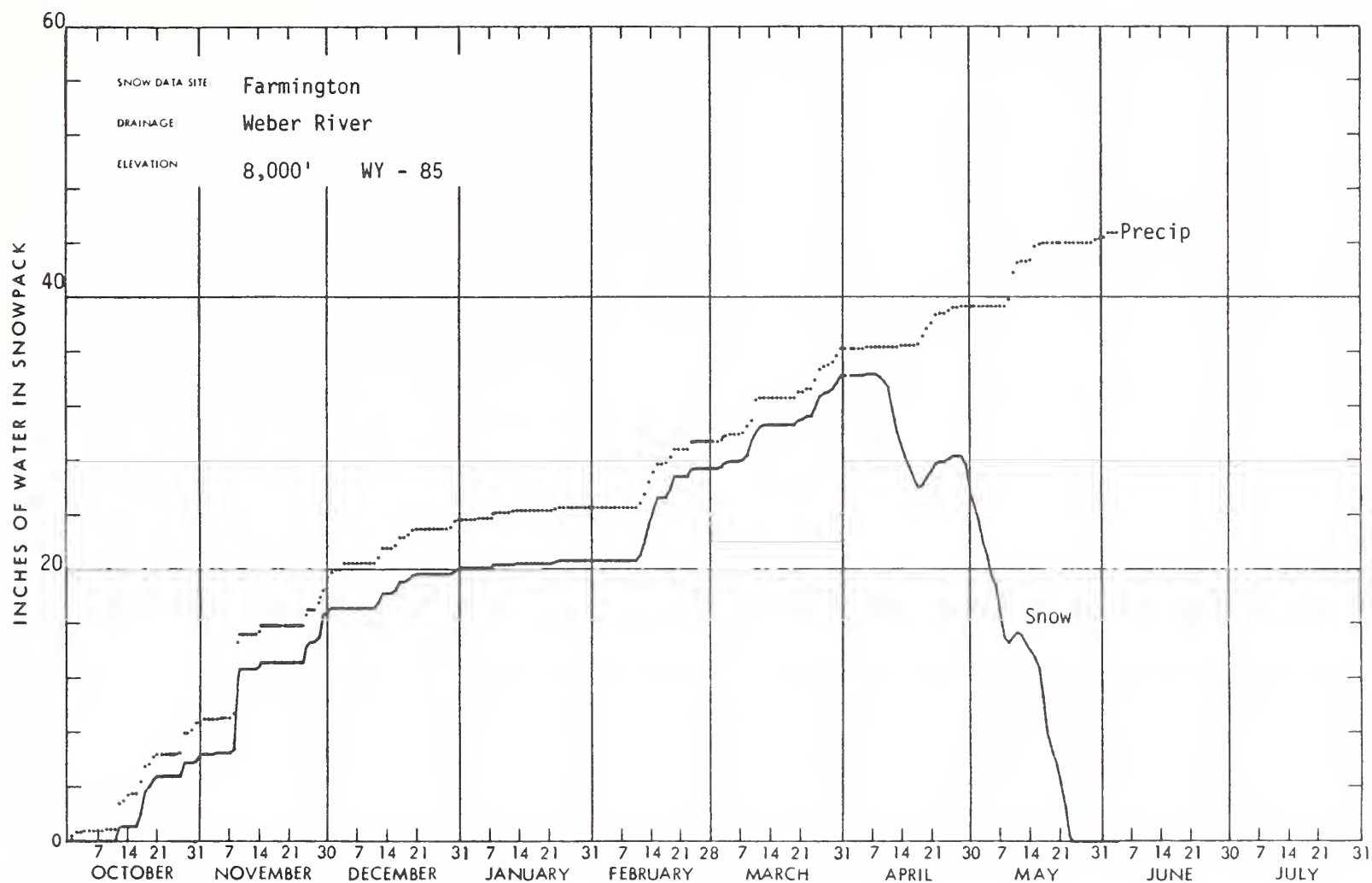
PROVO RIVER & UTAH LAKE						
BEAVER CREEK DIVIDE	8280	5/30/85	0	.0	.0	1.1
CLEAR CREEK RIDGE #1	9200	5/29/85	0	.0	5.4	2.8
CLEAR CREEK RIDGE #2	8000	5/29/85	0	.0	.0	.2
CLEAR CREEK RIDGE #3	6600	5/29/85	0	.0	.0	.0
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
HOBBLE CREEK SUMMIT	7420	5/28/85	0	.0	.0	.0
PAYSON R.S.	8050	5/28/85	0	.0	5.6	.7
SOAPSTONE R.S.	7800	5/30/85	0	.0	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
PROVO RIVER						
BEAVER CREEK DIVIDE	8280	5/30/85	0	.0	.0	1.1
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
SOAPSTONE R.S.	7800	5/30/85	0	.0	.0	.2
TRIAL LAKE	9960	5/30/85	18	7.9	17.3	19.7
JORDAN RIVER & GREAT SALT LAKE						
LAMBS CANYON	7400	5/30/85	0	.0	.0	.5
MILL CREEK	6950	5/30/85	0	.0	9.4	5.1
MILL D SOUTH FORK	7400	5/30/85	2	.1	.0	2.4
PARLEY'S CANYON SUM.	7500	5/31/85	0	.0	.0	.7
SILVER LAKE (BRIGHT.)	8730	5/30/85	3	.2	14.2	12.0
ENTERPRISE TO NEW HARMONY DRAINAGES						
LITTLE GRASSY CREEK	6100	5/28/85	0	.0	.0	.0
LONG FLAT	8000	5/28/85	0	.0	.0	.0
COAL CREEK						
CEDAR CITY GOLF COUR	5800	5/30/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
SUSC RANCH	8200	5/30/85	0	.0	.0	.0
WEBSTER FLAT	9200	5/28/85	0	.0	.0	2.9
UPPER GREEN RIVER in UTAH (above Duchesne River)						
BLACK'S FORK GS-EF	9340	5/30/85	1	.1	.0	1.3
BLACK'S FORK JUNCTN	8930	5/30/85	2	.1	.0	.6
BURNT CREEK	7900	5/30/85	0	.0	.0	.3
GRIZZLY RIDGE	8500	5/30/85	0	.0	.0	1.0
HEWINTA G.S.	9500	5/30/85	2	.3	.0	2.0
HICKERSON PARK	9100	5/29/85	0	.0	.0	.1
KING'S CABIN (UPPER)	8730	5/29/85	0	.0	.0	1.0
SPIRIT LAKE	10300	5/29/85	0	.0	.0	7.3
STEEL CREEK PARK	10100	5/30/85	18	5.8	14.5	11.9
TROUT CREEK	9400	5/29/85	0	.0	.0	1.5
DUCHESNE RIVER						
ATWOOD LAKE	10500	5/30/85	0	.0	.0	6.4
BROWN DUCK RIDGE	10600	5/29/85	25	11.1	10.6	15.3
CURRENT CREEK	8000	5/30/85	0	.0	.0	.0
DANIELS-STRAWBERRY	8000	5/30/85	0	.0	.0	.2
EAST PORTAL	7560	5/31/85	0	.0	.0	.0
FIVE POINT LAKE	11000	5/30/85	2	.8	2.5	11.8
INDIAN CANYON	9100	5/29/85	0	.0	.0	1.4
JACKSON PARK	10600	5/29/85	0	.0	.0	8.8
LAKEFORK BASIN	11100	5/30/85	13	5.4	8.8	15.4
LAKEFORK MOUNTAIN #1	10200	5/29/85	0	.0	.0	3.6
LAKEFORK MOUNTAIN #3	8400	5/29/85	0	.0	.0	.0
MOSEY MOUNTAIN (LOW)	9500	5/29/85	0	.0	.0	3.2
PARADISE PARK	10100	5/29/85	0	.0	.0	7.3
ROCK CREEK	7900	5/29/85	0	.0	.0	.0
STRAWBERRY DIVIDE	8400	5/31/85	0	.0	.0	.0

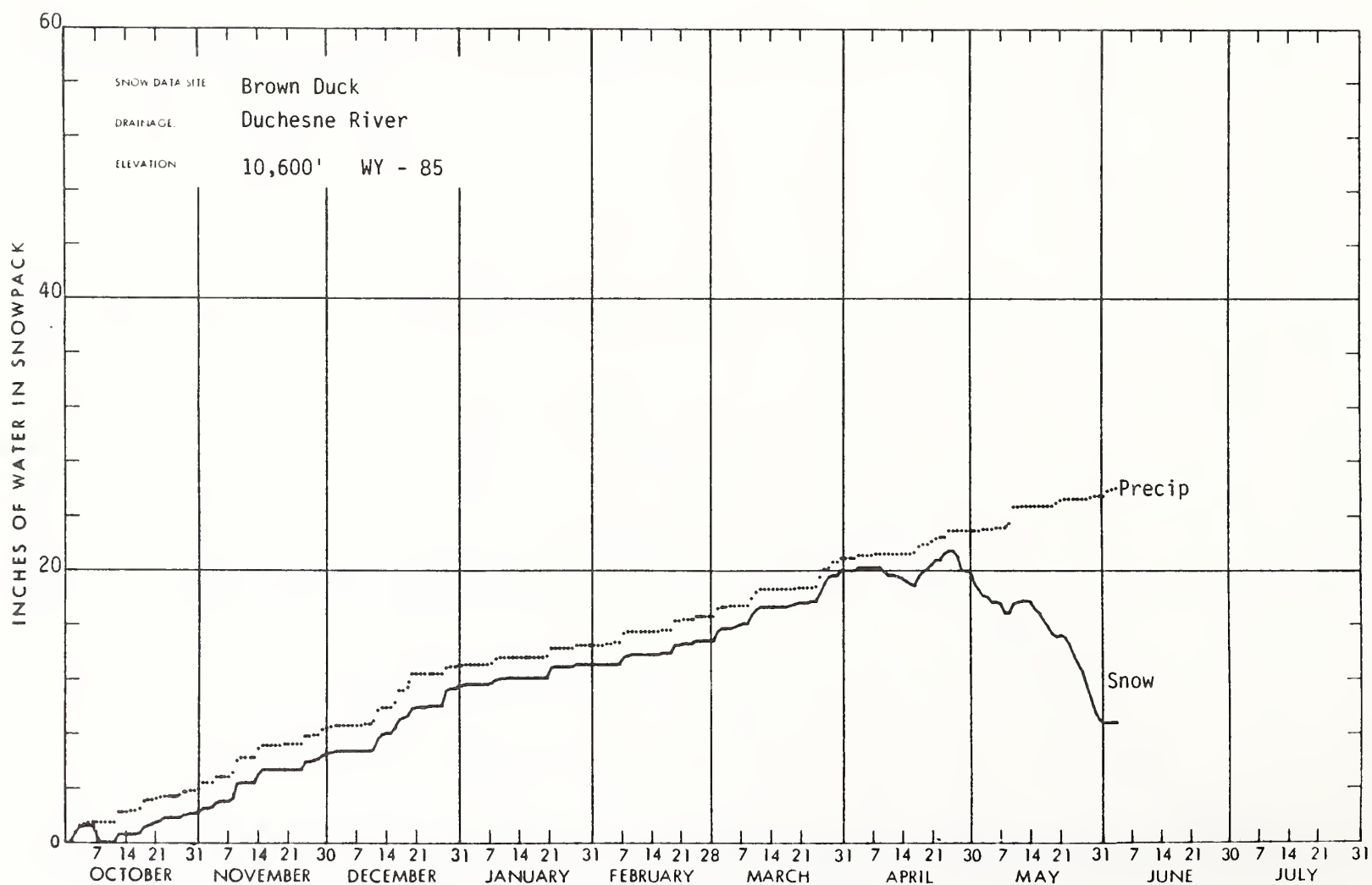
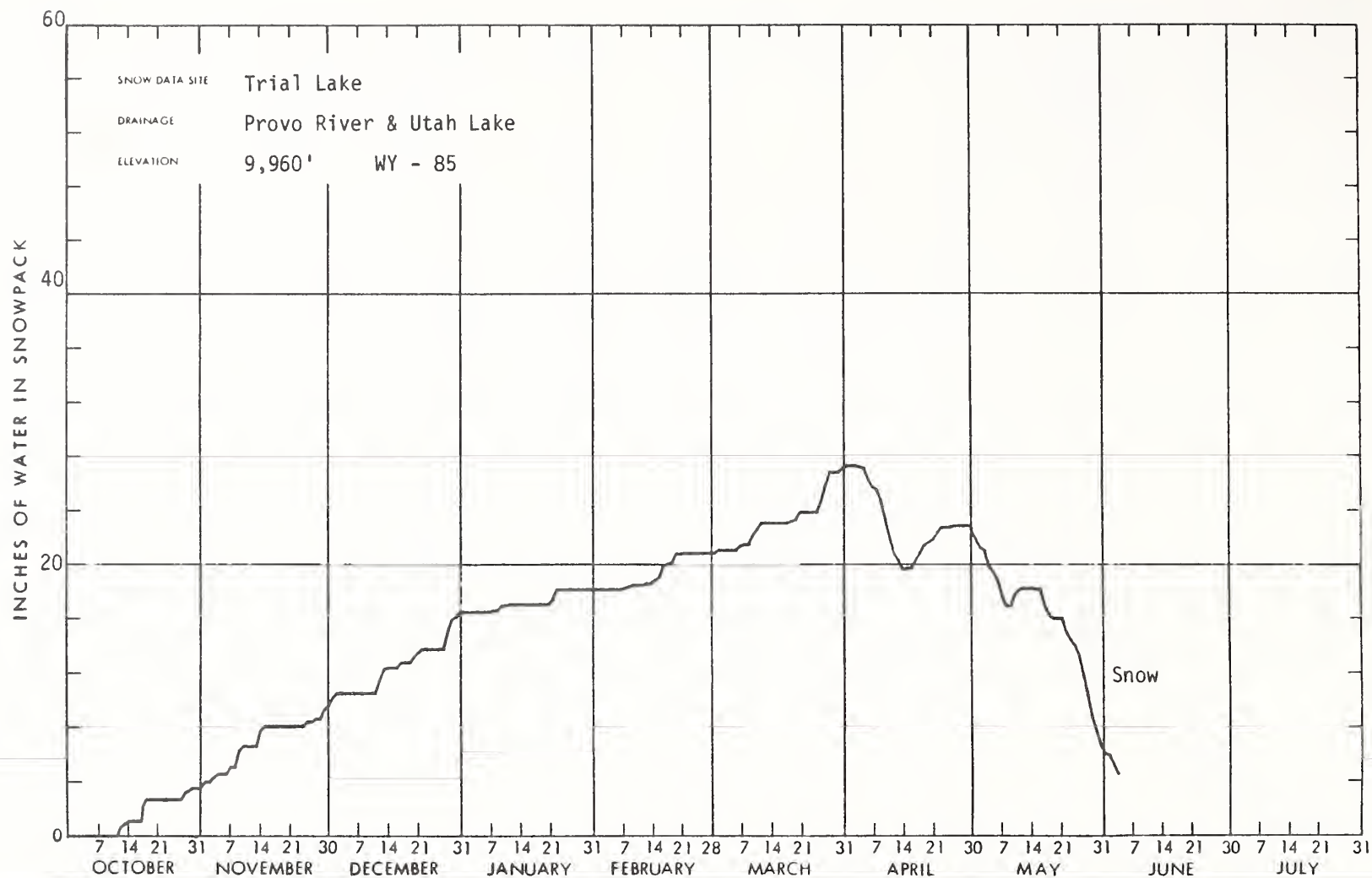
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
UPPER SEVIER RIVER (south of Richfield, Utah)						
BOX CREEK	9300	5/28/85	0	.0	2.9	1.3
ERYCE CANYON	8000	6/03/85	0	.0	.0	.0
CASTLE VALLEY	9580	5/28/85	0	.0	.0	.0
DUCK CREEK R.S.	8700	5/28/85	0	.0	.0	.5
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KIMBERLY MINE(UPPER)	9300	5/28/85	0	.0	9.5	3.2
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
PANQUITCH LAKE	8200	5/28/85	0	.0	.0	.0
SQUAW SPRINGS	9300	5/28/85	0	.0	.0	.0
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
EAST FORK SEVIER RIVER						
BOX CREEK	9300	5/28/85	0	.0	2.9	1.3
ERYCE CANYON	8000	6/03/85	0	.0	.0	.0
SQUAW SPRINGS	9300	5/28/85	0	.0	.0	.0
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
SOUTH FORK SEVIER RIVER						
CASTLE VALLEY	9580	5/28/85	0	.0	.0	.0
DUCK CREEK R.S.	8700	5/28/85	0	.0	.0	.5
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KIMBERLY MINE(UPPER)	9300	5/28/85	0	.0	9.5	3.2
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
PANQUITCH LAKE	8200	5/28/85	0	.0	.0	.0
LOWER SEVIER RIVER (including San Pitch River)						
BEAVER DAMS	8000	5/29/85	0	.0	.0	.0
FARNSWORTH LAKE	9600	5/28/85	17	7.2	26.3	14.0
G.B.R.C. HEADQUARTER	8700	5/29/85	0	.0	13.0	3.1
G.B.R.C. MEADOWS	10000	5/29/85	20	9.5	30.5	14.4
GOOSEBERRY R.S.	8000	5/28/85	0	.0	.0	.8
MAMMOTH-COTTONWOOD	8800	5/29/85	0	.0	11.2	4.8
MT.BALDY R.S.	9500	5/29/85	15	6.9	29.8	14.5
DAK CREEK	7760	5/28/85	0	.0	.0	.0
PICKLE KEG SPRING	9600	5/29/85	0	.0	13.2	1.6
FINE CREEK	8800	5/28/85	0	.0	16.3	1.9
REES'S FLAT	7300	5/28/85	0	.0	.0	.0
SHINGLE MILL	6200	5/31/85	0	.0	.0	.0
BEAVER RIVER						
BEAVER RACE TRACK	6020	6/03/85	0	.0	.0	.0
BIG FLAT	10290	5/28/85	34	14.2	19.5	14.1
MERCHANT VALLEY (UP)	8750	5/28/85	0	.0	.0	.5
OTTER LAKE	9600	5/28/85	8	2.5	6.2	6.4
PRICE RIVER						
DRY VALLEY DIVIDE AL	8100	5/29/85	0	.0	.0	--
MUD CREEK	8600	5/29/85	0	.0	.0	.0
WHITE RIVER #1	8550	5/29/85	0	.0	.0	.3
WHITE RIVER #3	7400	5/29/85	0	.0	.0	.0
SAN RAFAEL RIVER						
BUCK FLAT	9800	5/29/85	0	.0	9.1	4.1
HUNTINGTON-HORSESHOE	9800	5/29/85	10	4.6	23.8	19.6
ORANGE OLSEN	7200	5/29/85	0	.0	.0	.0
RED PINE RIDGE	9200	5/29/85	0	.0	6.9	1.8
SEELEY CREEK R.S.	10000	5/29/85	2	1.3	22.4	8.2
STUART R.S.	7950	5/29/85	0	.0	.0	.0
UPPER JOES VALLEY	8900	5/29/85	0	.0	.0	.0
WRIGLEY CREEK	9000	5/29/85	0	.0	.0	.0

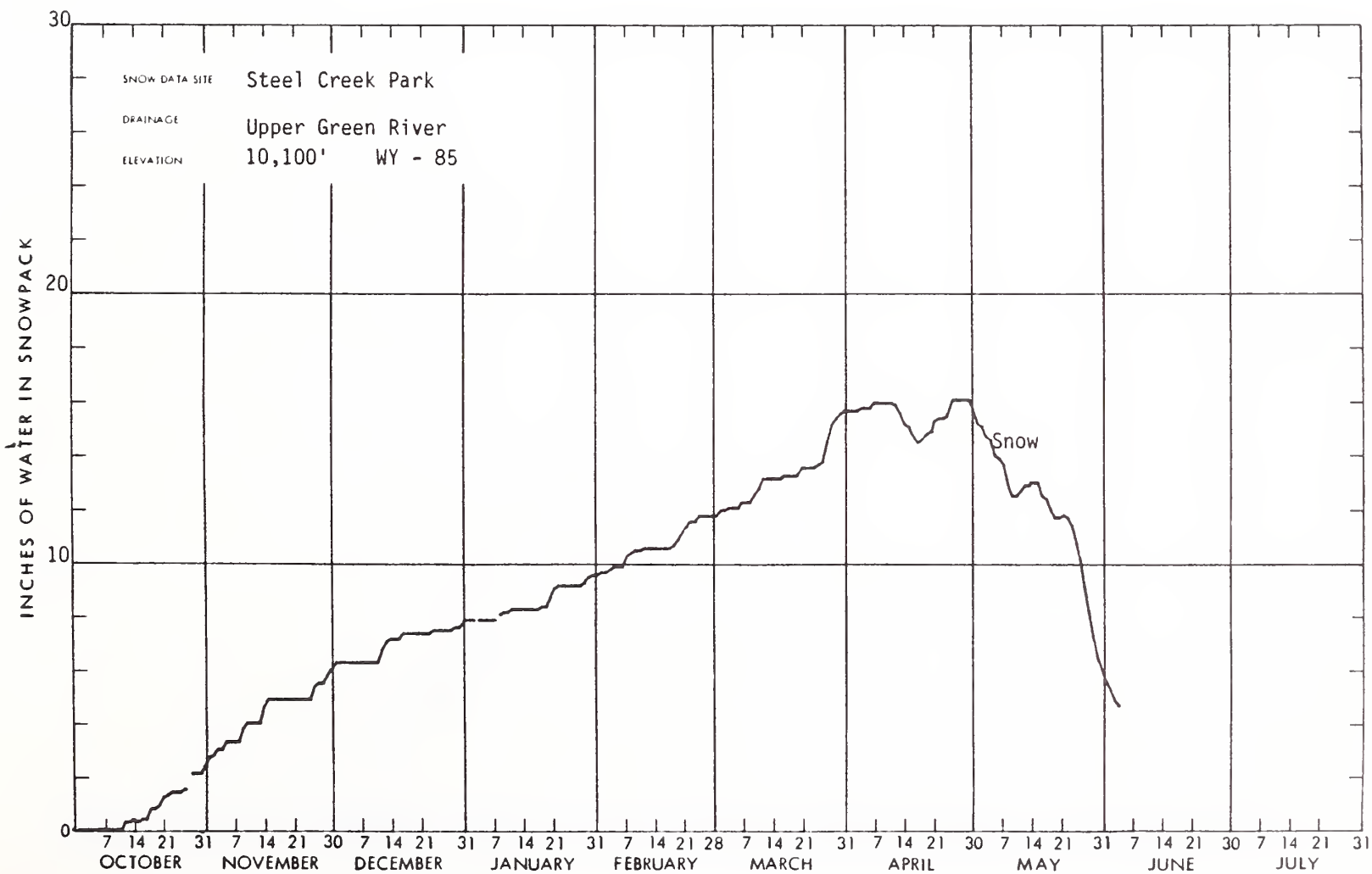
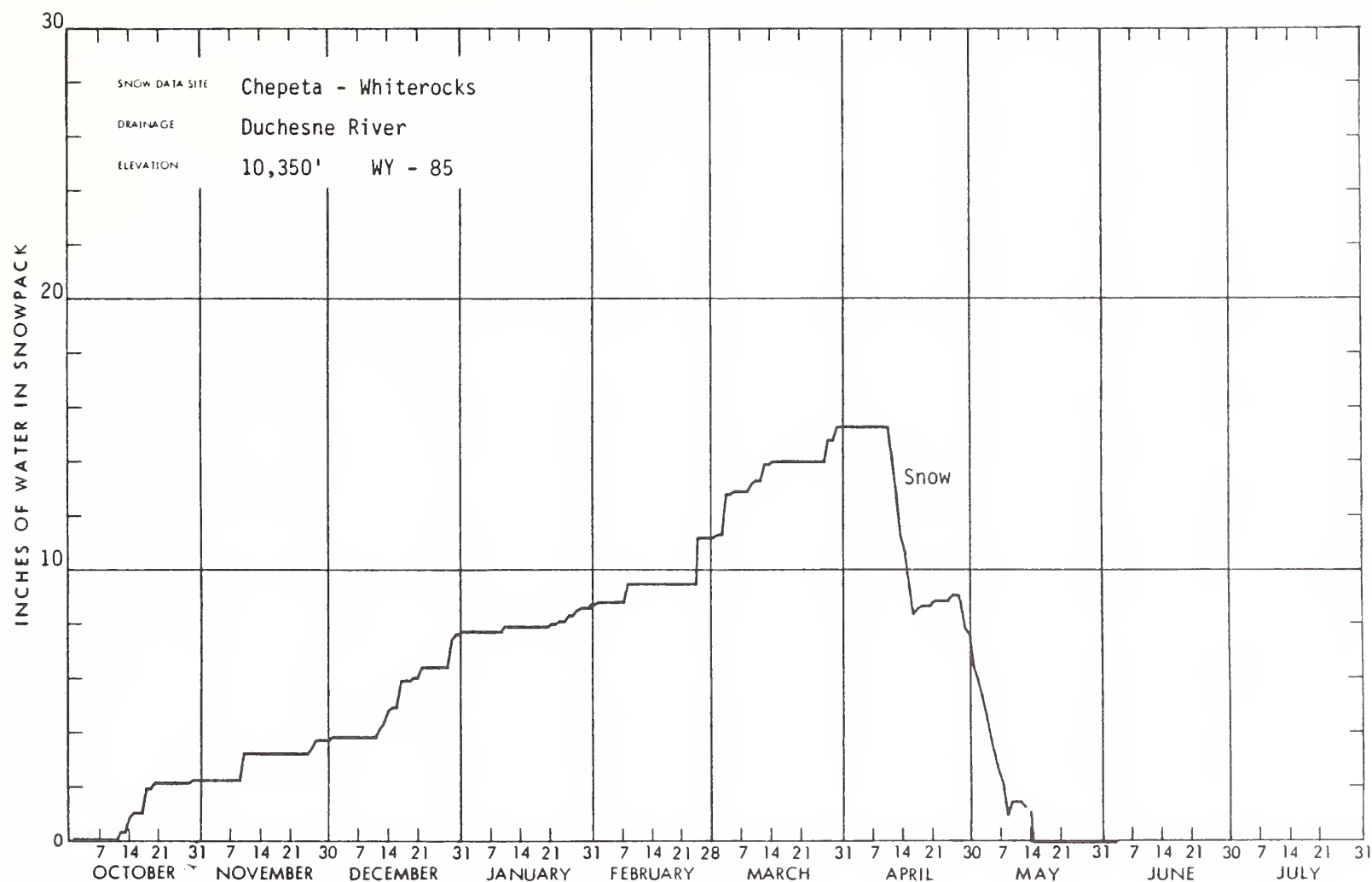
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-80
MUDDY RIVER						
BLACK'S FORK	9200	5/29/85	0	.0	.0	1.3
DILL'S CAMP	9200	5/29/85	0	.0	.0	.9
FREMONT RIVER						
BLACK'S FLAT-U.M. CK	9400	5/28/85	0	.0	.0	.3
FISH LAKE	8700	5/28/85	0	.0	.0	.0
JOHNSON VALLEY	8850	5/28/85	0	.0	.0	.0
LASAL MOUNTAINS						
LASAL MOUNTAIN LOWER	8800	5/31/85	0	.0	.0	.0
LASAL MOUNTAIN (UPP)	9850	5/31/85	0	.0	.0	2.7
PARDWAN						
BIRCH CROSSING	8100	5/30/85	0	.0	.0	.0
BRIAN HEAD	10000	5/28/85	1	.4	2.4	10.6
TALL POLES	8800	5/30/85	0	.0	.0	1.5
YANKEE RESERVOIR	8700	5/28/85	0	.0	.0	.0
BLUE MOUNTAINS						
BUCKBOARD FLAT	9000	5/30/85	0	.0	.0	.4
CAMP JACKSON	8600	5/30/85	0	.0	.0	.0
ESCALANTE RIVER						
WIDTSOE-ESCALANTE #3	9500	5/28/85	0	.0	.0	.9
VIRGIN RIVER						
HARRIS FLAT	7700	5/28/85	0	.0	.0	.0
KOLOB-CRYSTAL	9250	5/28/85	0	.0	.0	9.0
LONG VALLEY JCT.	7500	5/28/85	0	.0	.0	.0
MIDWAY VALLEY	9800	5/28/85	0	.0	.0	12.1
WEBSTER FLAT	9200	5/28/85	0	.0	.0	2.9

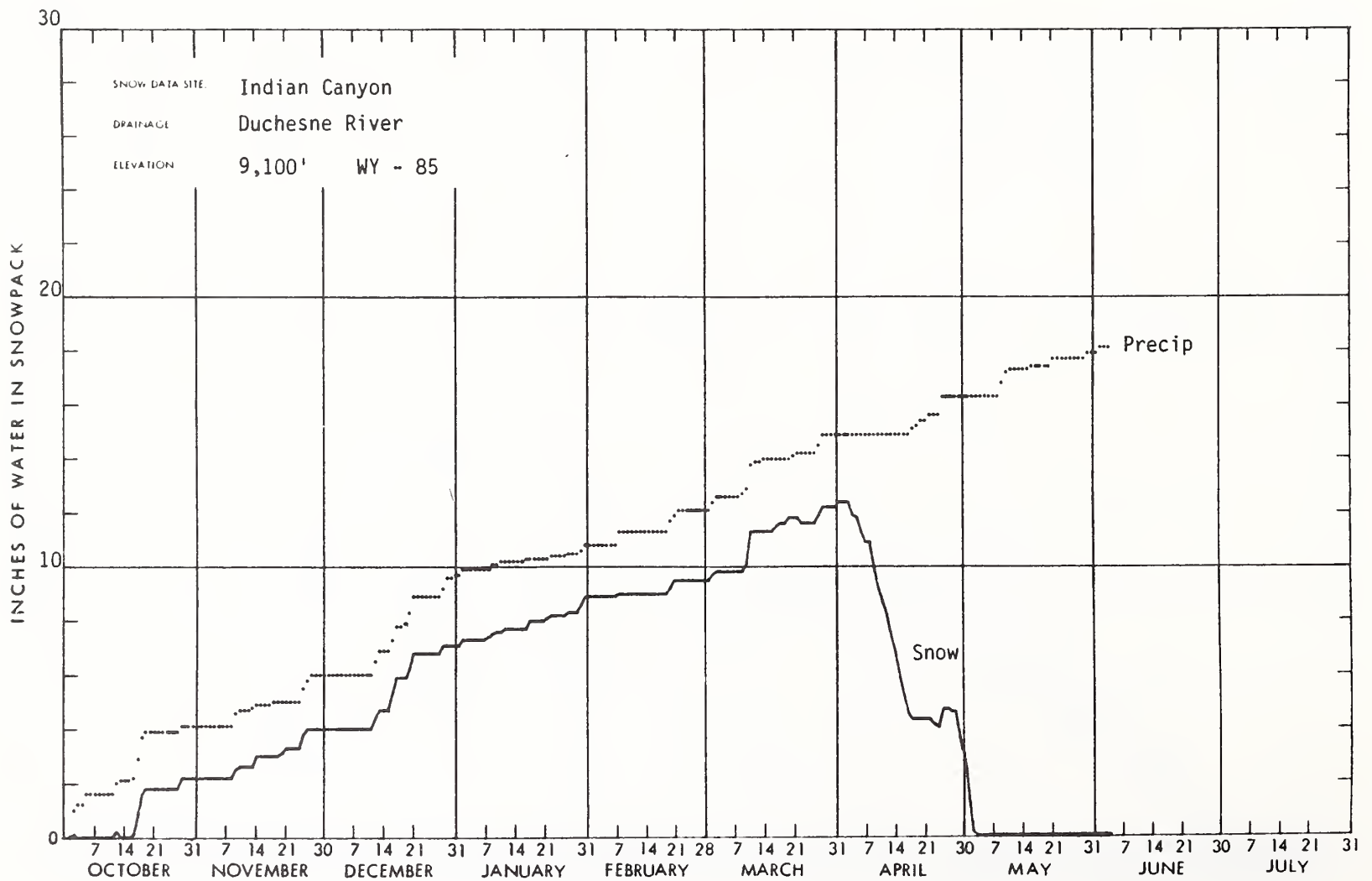
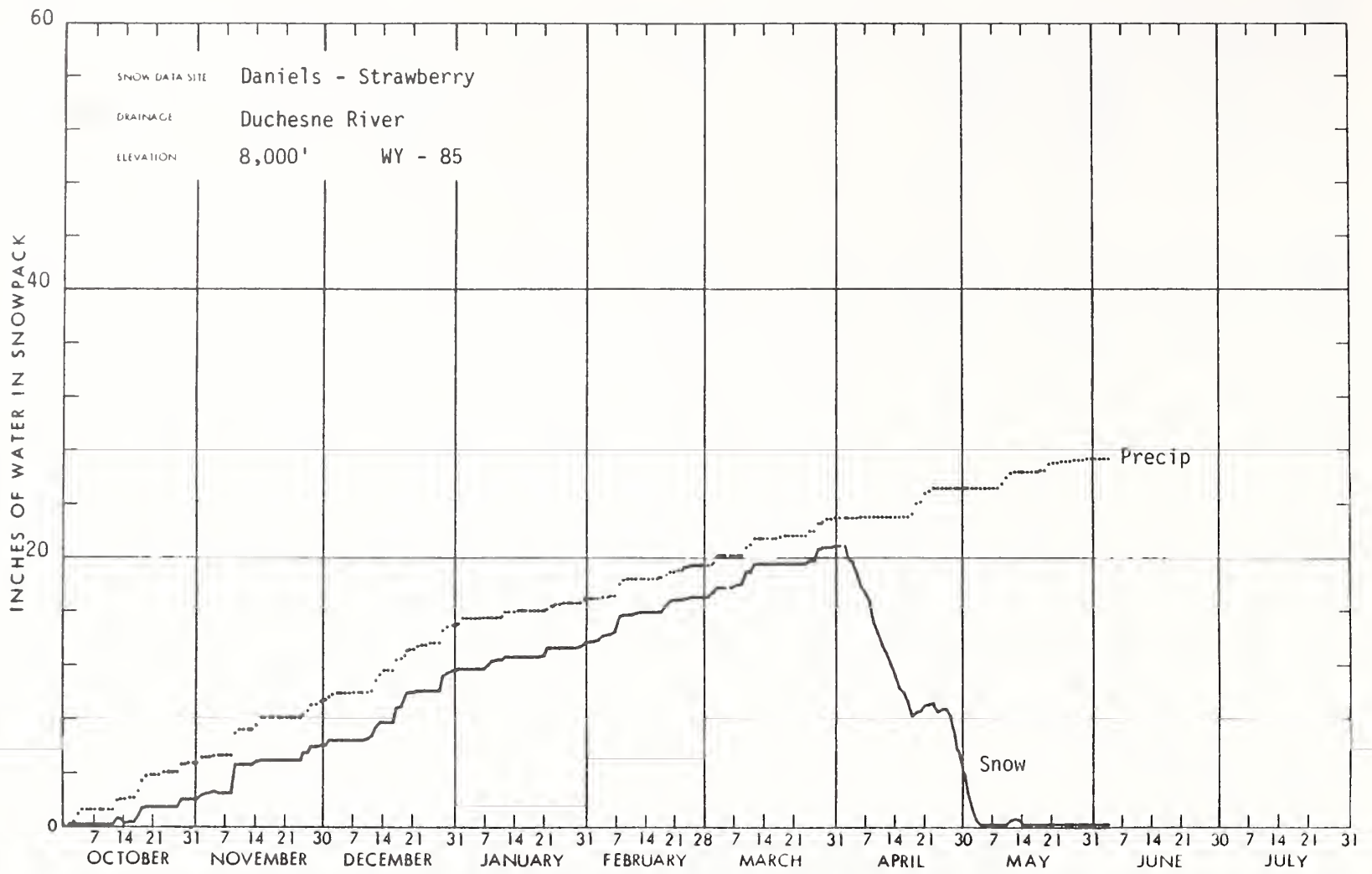


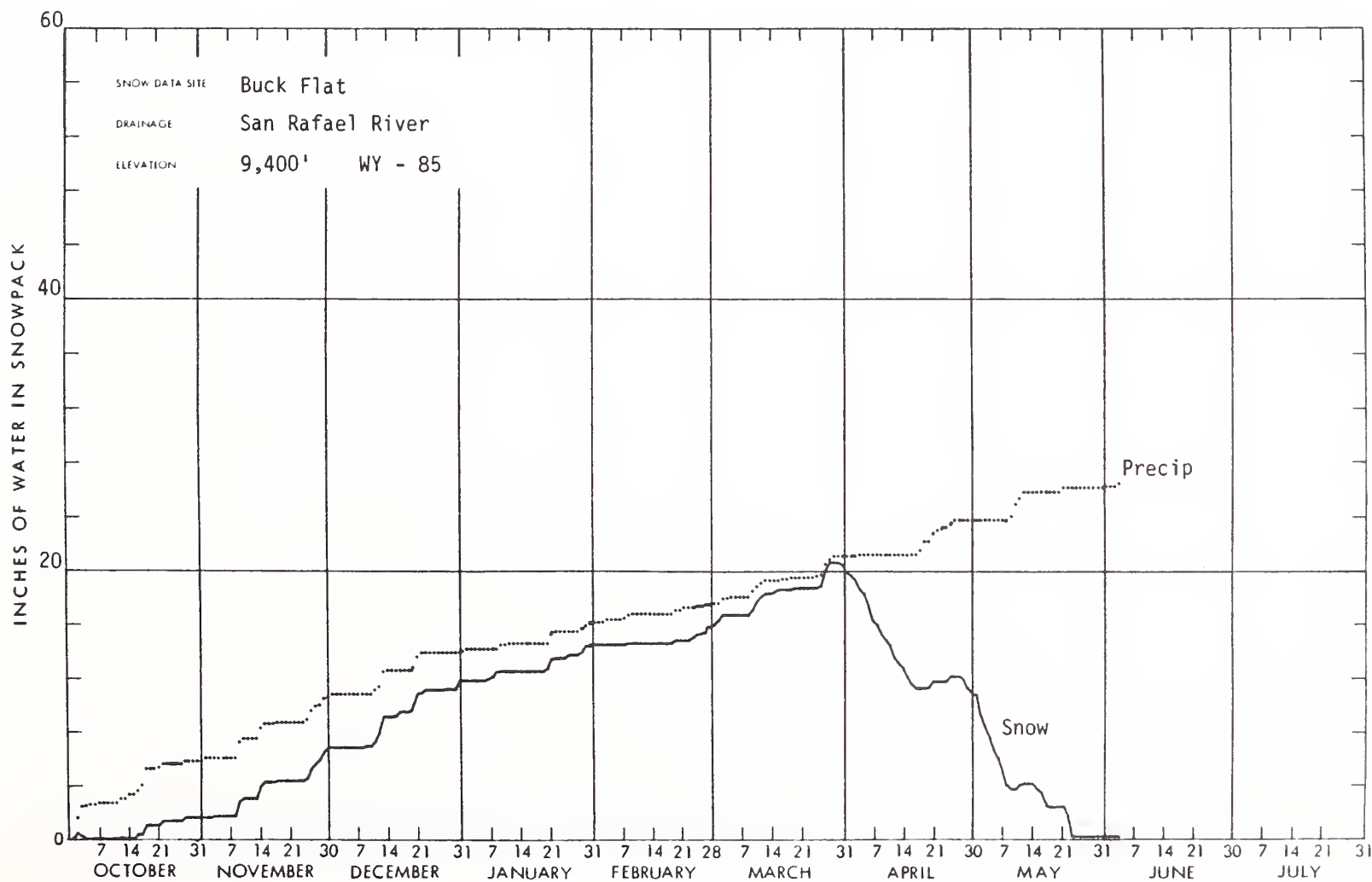
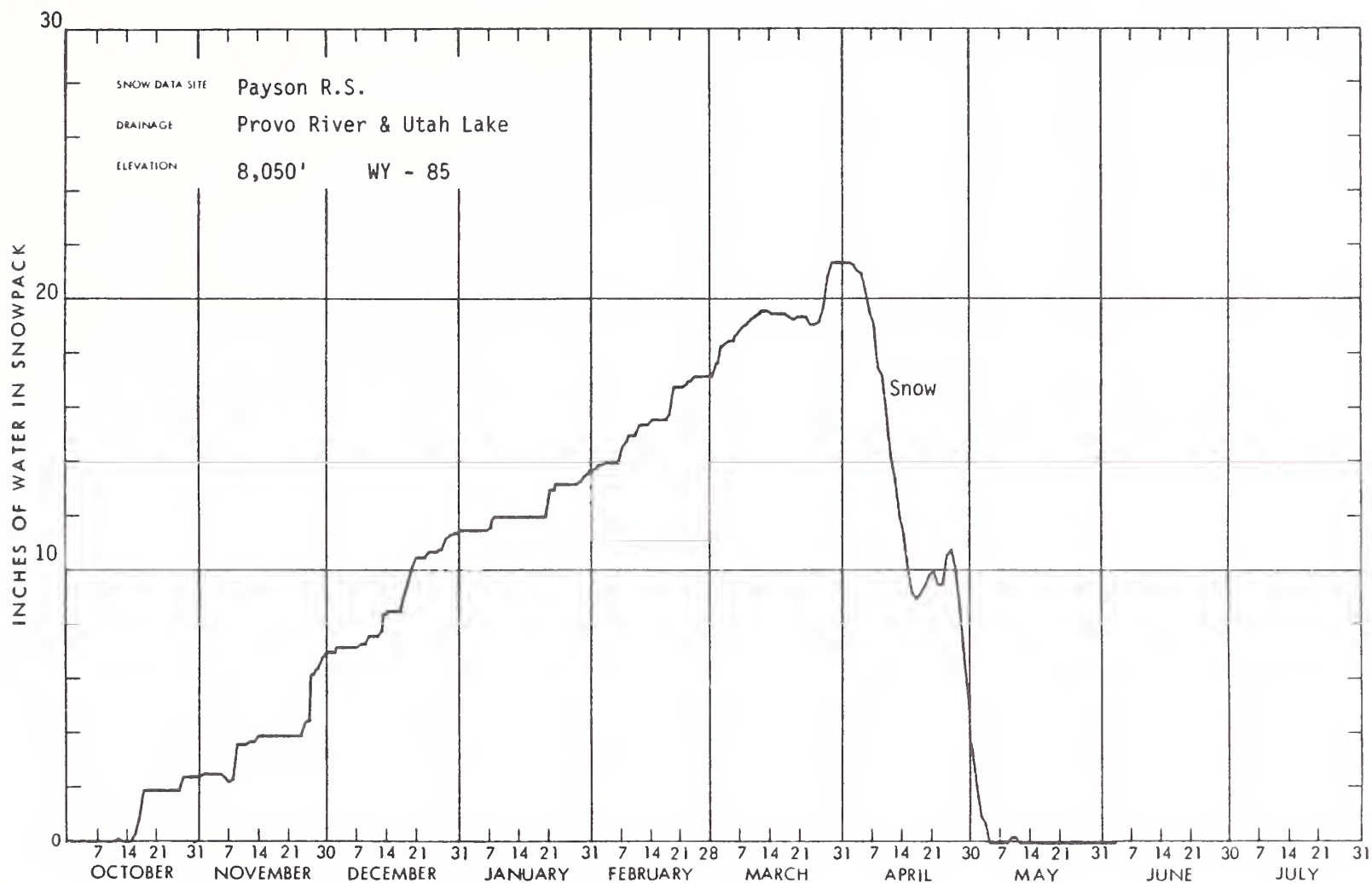


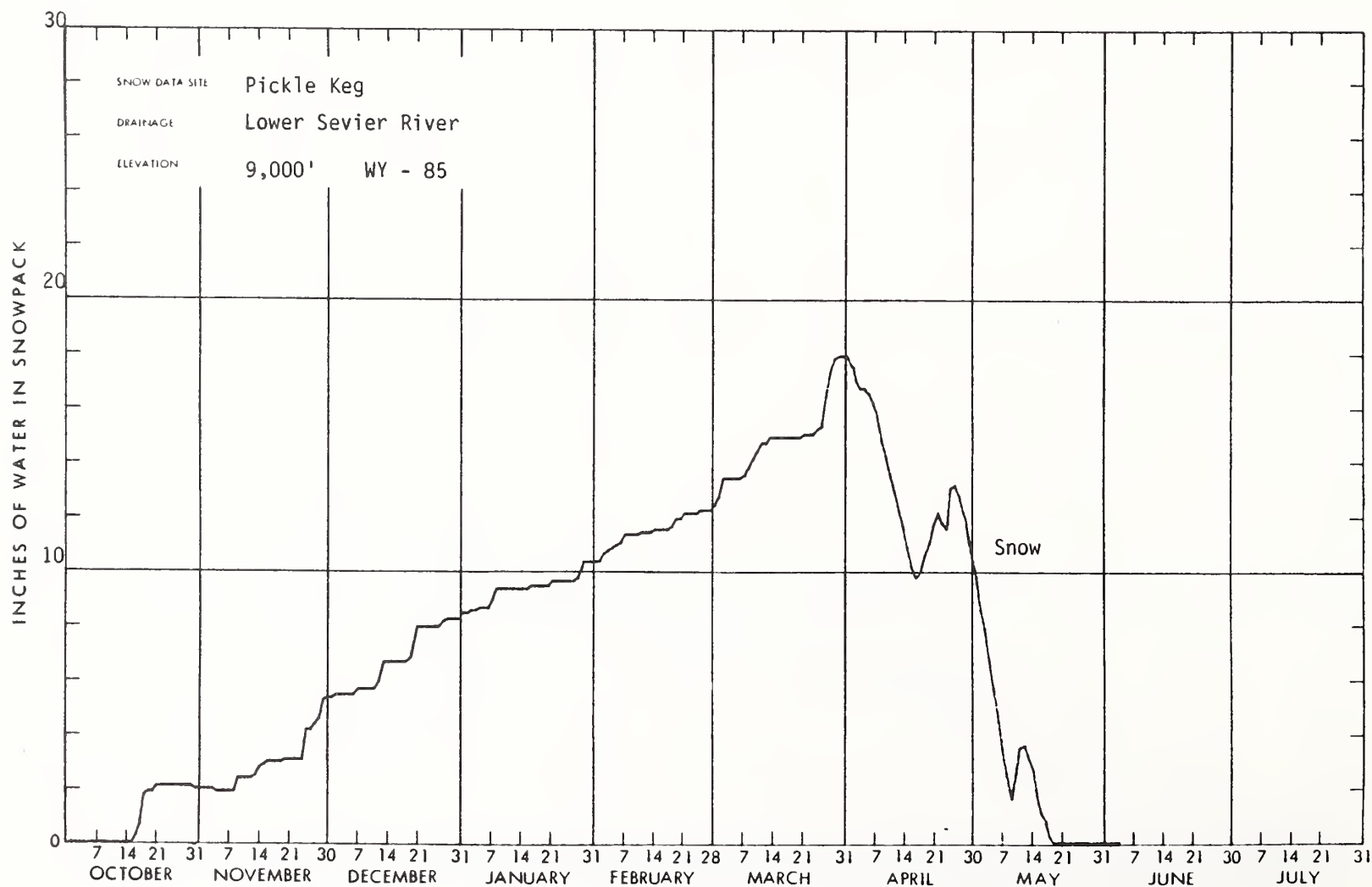
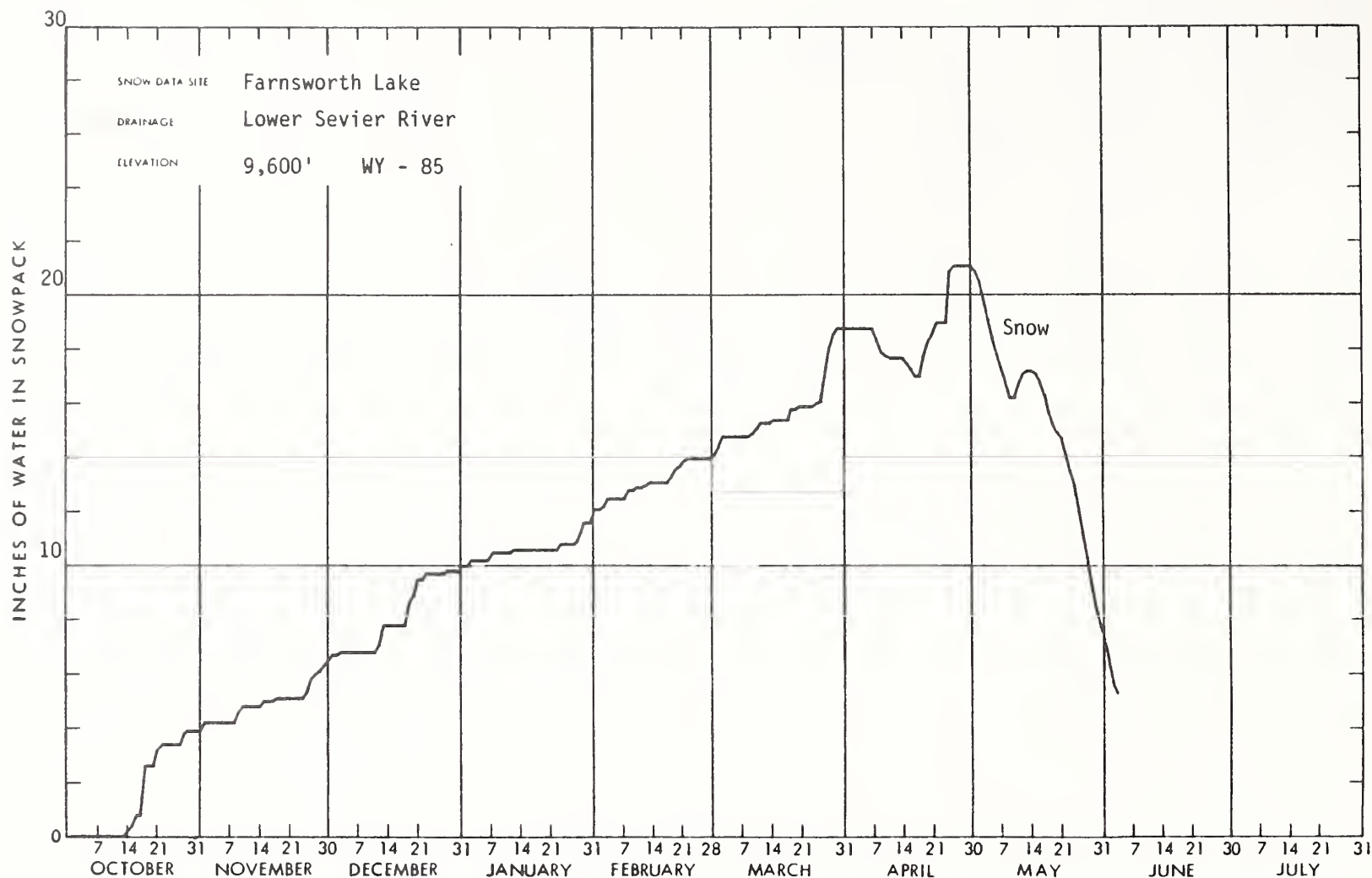


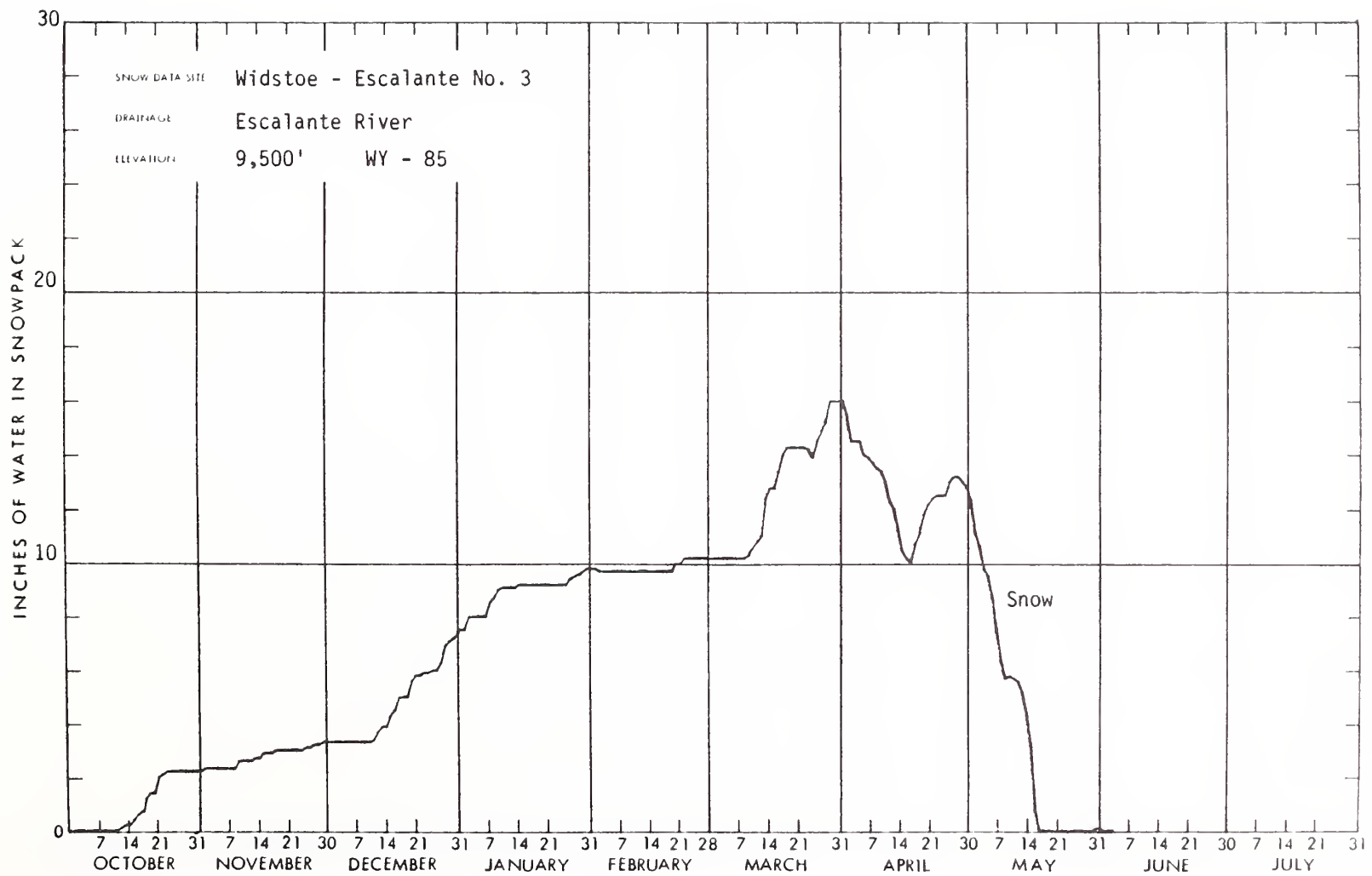
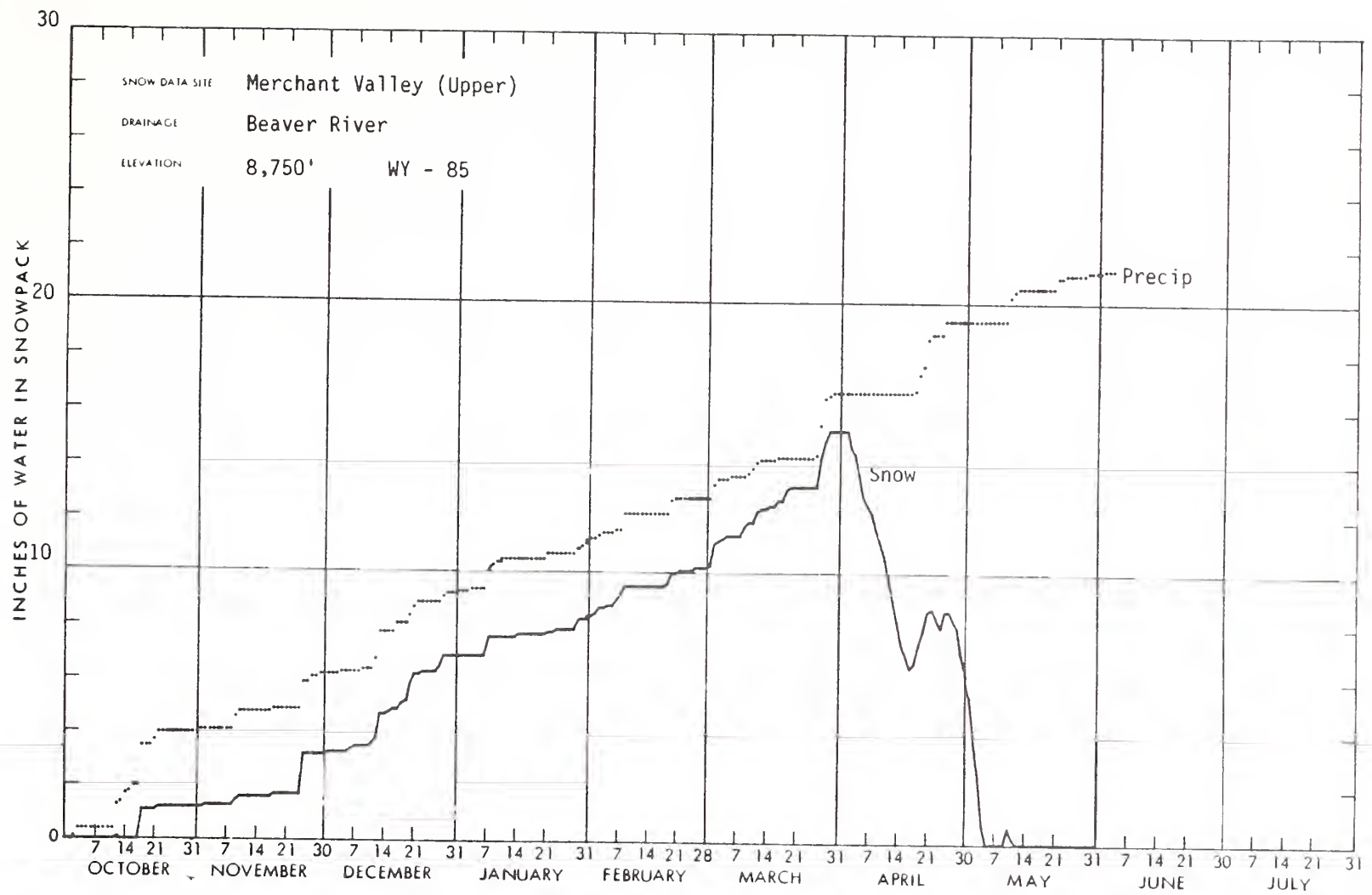


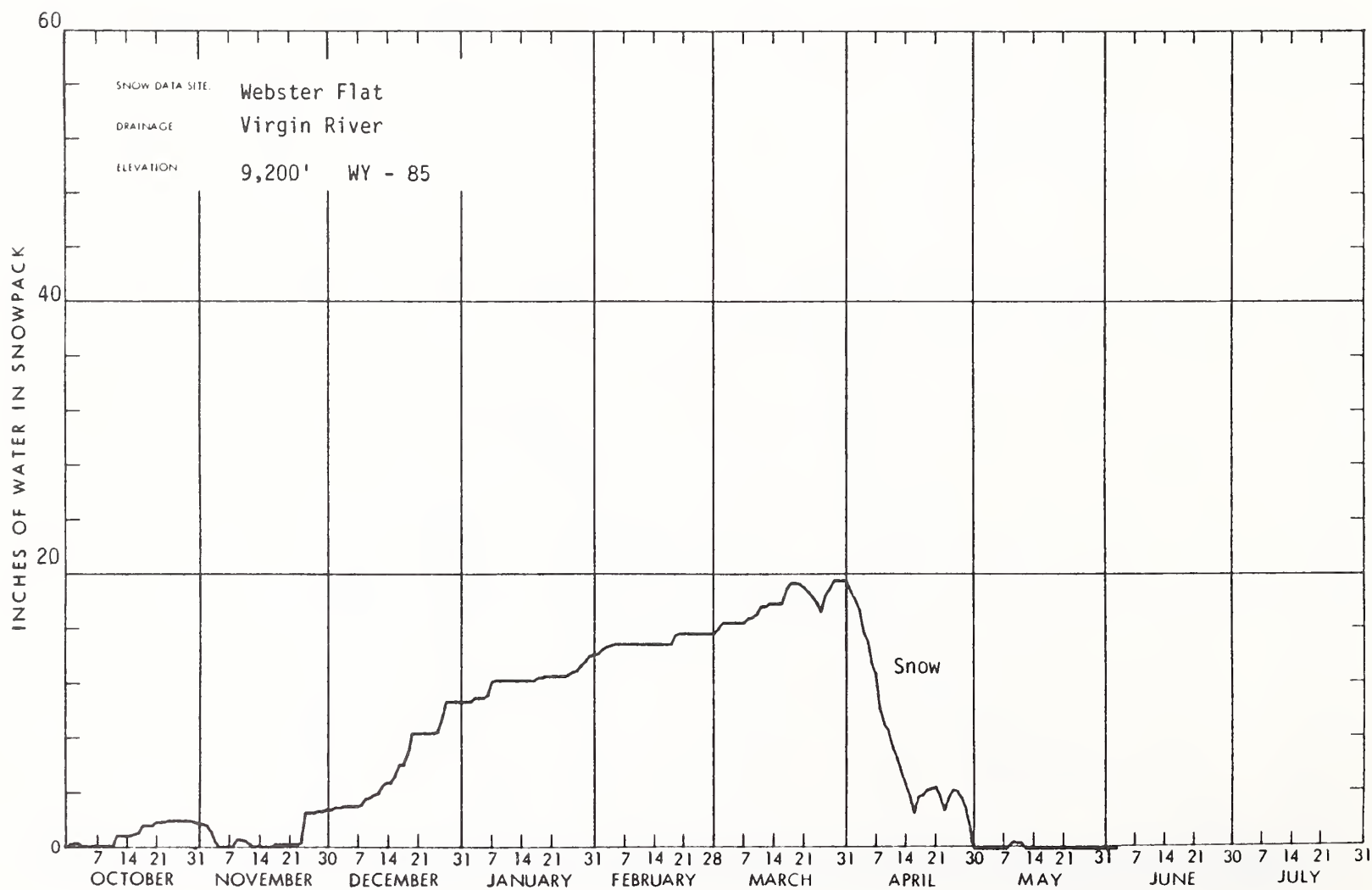
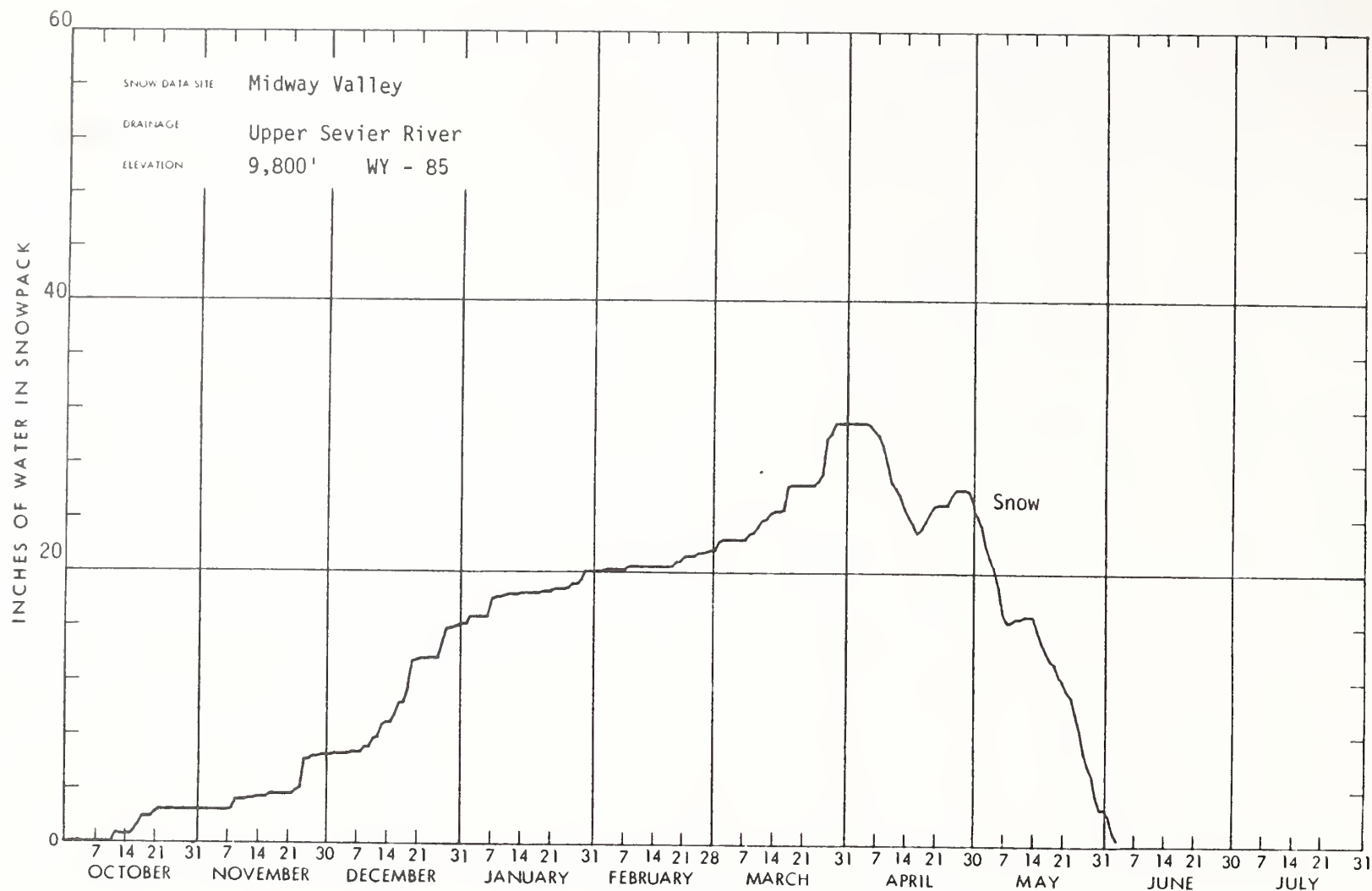


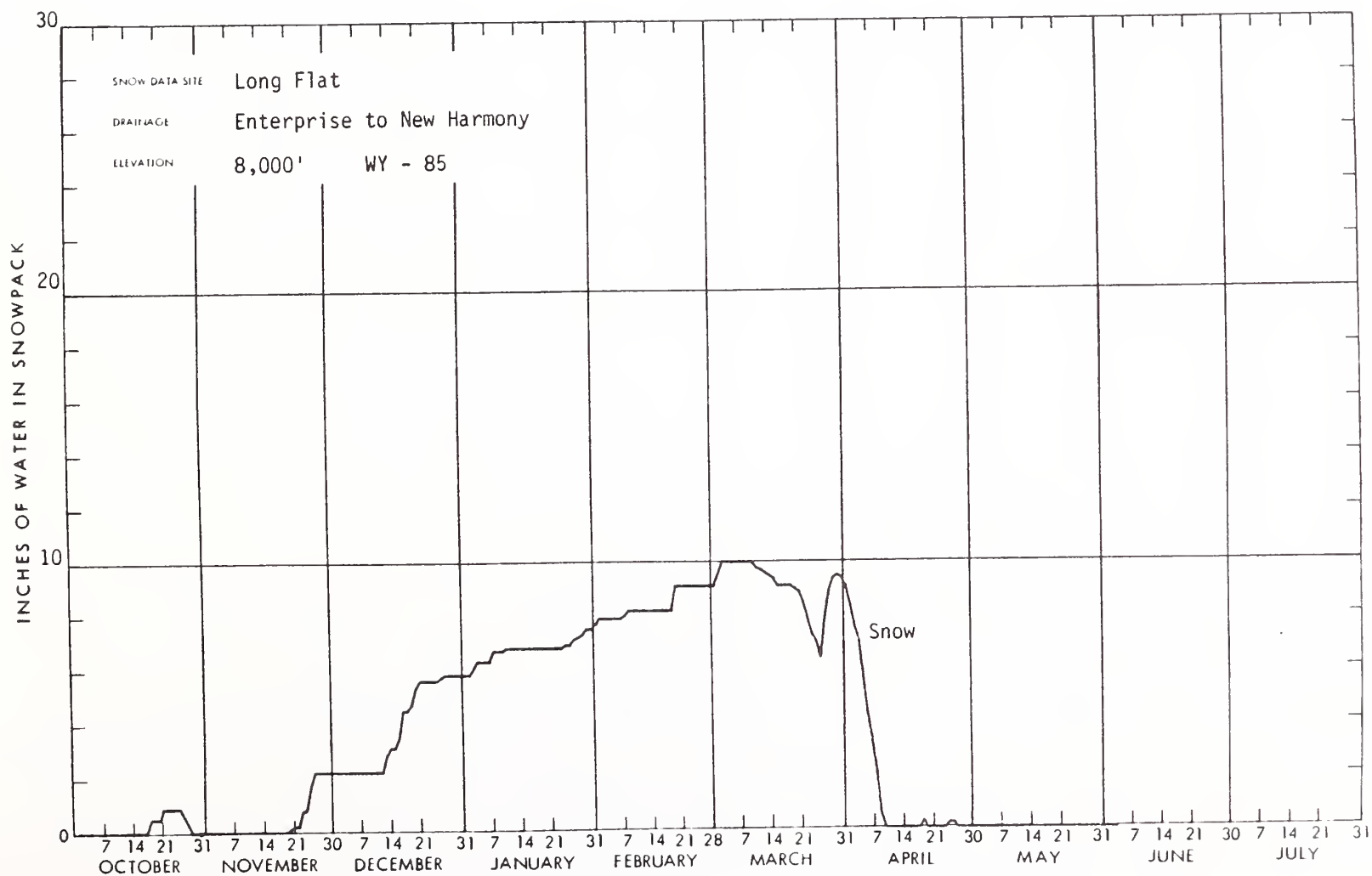
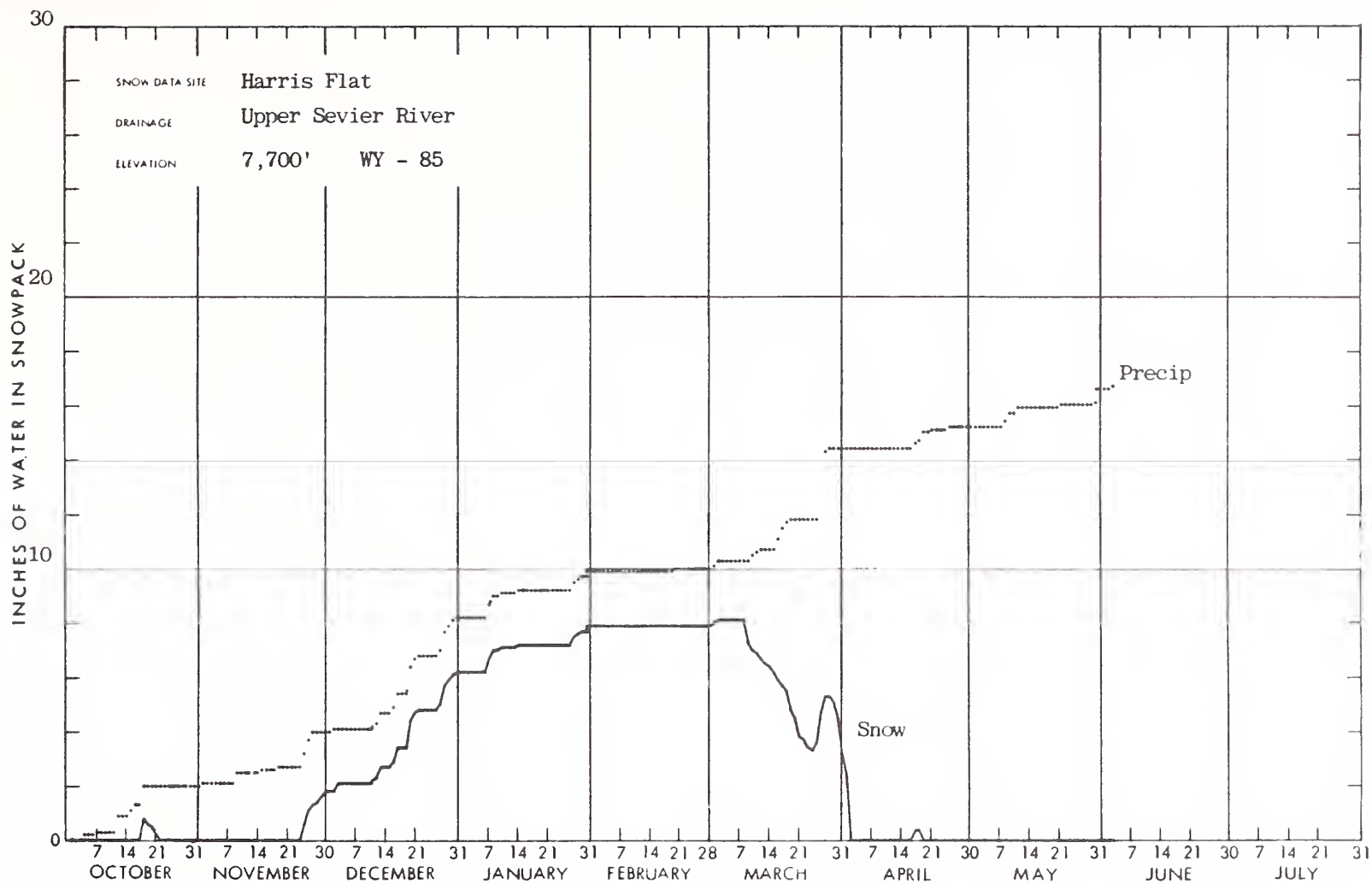




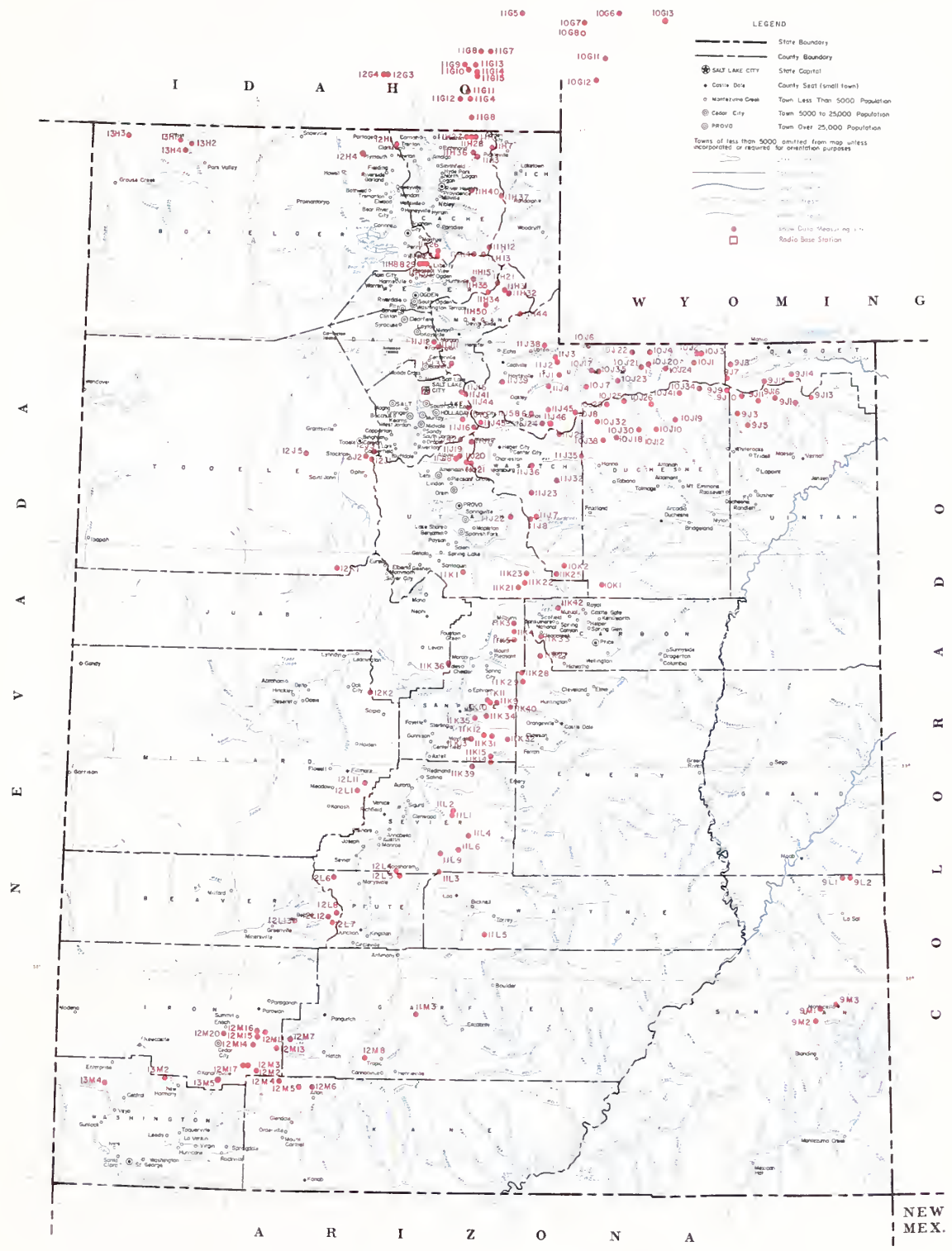








USDA, NCS, SOUTHWEST, 11-1-83, 11-1-83, 11-1-83



INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

Number	State	Name	Section	Township	Range	Elevation	Number	State	Name	Section	Township	Range	Elevation
UPPER BEAR RIVER (above Harer, Idaho)													
10G11	W	Big Lake	7	27N	117W	8,700	12J2	U	Beaver's Cabin	24	4S	4W	6,450
10G16P	W	Burt-Miller Ranch	19	3N	10E	7,900	12J5P	U	Deseret Peak	25	4S	7W	7,250
10G17P	W	Hyden Fork	23	23N	118W	8,400	12J3P	U	Indian Canyon No. 2	25	4S	3W	7,000
10G12PST	W	Kelly Ranger Station	25	1N	118W	9,400	12J3P	U	Middle Canyon	28	4S	3W	7,000
10G13P	W	Lily Lake	26N	1N	118W	8,200	11J44	U	Mill Creek	25	1S	2E	6,950
10G35p	U	Lily Lake	34	2N	10E	9,050	11J10	U	Mill D South Fork	18	2S	3E	7,400
11H12PST	U	Monte Cristo R. S.	4	8N	4E	8,960	12J15T	U	Rocky Basin - Settlement Canyon	30	4S	3W	8,900
10G6P	W	Poison Meadows x	29	30N	115W	9,500	11J16P	U	Shower Lake (Brighton)	35	2S	3E	8,725
10G11PST	W	Pyramid Summit x	15	22N	115W	8,400	11J16P	U	Snow Bird (Gad Valley)	18	3S	3W	7,000
10G13MP	W	Snyder Basin	15	22N	115W	8,400	12K1PST	U	Vernon Creek	21	10S	3W	7,500
10J17P	U	Stillwater Camp	32	2N	10E	8,550							
LOWER BEAR RIVER (below Harer, Idaho)													
11H32PST	U	Big Lake	18	11N	7E	7,950	12L4PST	U	Box Creek	33	26S	2W	9,300
11G11	U	Chickadee Ranch	27	13S	41E	5,600	12J5P	U	Cedar Valley	23	36S	8W	9,580
12H1P	U	Clarkston Mountain	29	14N	2W	6,300	12M13PST	U	Duck Creek R. S.	11	38S	8W	8,700
11G12	I	Cry Basin	5	15S	41E	5,400	12M4P	U	Harris Flat	24	38S	7W	7,700
11G14a	I	Dry Basin	30	13S	42E	7,900	12M5PST	U	High-Top Mountain	36	25S	1E	11,400
11G12G	I	Dry Creek Flat	31	13S	37E	6,350	11L9p	U	Kimberly Mine	11	27S	5W	9,300
11G5PST	I	Emigrant Summit	21	12S	42E	7,350	12L6PST	U	Midway Valley	26	37S	9W	9,800
11G10PST	I	Emigrant Canyon (mouth)	42	16S	41E	8,000	12M7P	U	Minguito Lake	4	3S	2W	9,300
11G6MPST	U	Fraser City Summit	34 & 35	14N	4E	7,600	12L5	U	Sutton Springs	27S			
11H7MP	U	Hard Hollow	3	11N	3E	7,200							
11H40p	I	Horseshoe Basin	31	13S	42E	8,000							
11G15a	I	Klondike Narrows	10	14N	3E	7,400							
11H1MP	U	Liberty Springs	17	13S	42E	6,240							
11G13	I	Little Bear (upper)	17	13S	42E	6,240							
11H26PST	I	Little Bear (lower)	22	8N	1E	6,550	11K13PST	U	Blower Dam	22	19S	3E	8,000
12G3	I	Oxford Mountain	32	13S	37E	6,800	11K1P	U	G. B. R. C. Headquarters	21	17S	4E	8,700
11G5	I	Slug Creek Divide	15	10S	44E	7,225	11K10P	U	G. B. R. C. Meadows	27	17S	4E	10,000
11H27	U	Steep Hollow No. 1	7	14N	3E	8,500	11L2PST	U	Gooseberry R. S.	21	23S	2E	8,000
11H28	U	Steep Hollow No. 2	9	14N	3E	7,700	11K3MPST	U	Mammoth R. S. - Cottonwood Creek	13	13S	5E	8,800
11G13	I	Strawberry Creek	14	13S	41E	6,800	11K34	U	Middle Fork	16	18S	4E	9,600
11G10	I	Stony Grove Divide	14	13S	41E	6,800	12K2P	U	Stony Grove R. S.	19	17S	3E	7,760
11H36PST	U	Tony Grove Lake	15	13N	3E	8,400	11K39PST	U	Pickle Keg Springs	4	21S	3E	9,000</

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

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